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CURRENT PROBLEMS NUMBER 3

MINNESOTA PUBLIC UTILITY RATES
GAS-ELECTRIC-WATER

COMPILED IN THE MUNICIPAL REFERENCE BUREAU
OF THE GENERAL EXTENSION DIVISION

BY

GERHARD A. GESELL, B.A.
Assistant Professor of Economics in the Division

MINNEAPOLIS
Bulletin of the University of Minnesota
October 1914

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PREFACE

Since the organization of the Municipal Reference Bureau a number of inquiries have been received asking for comparative data on the operation of public utilities in Minnesota municipalities. It is the aim of this bulletin to provide this information. Questionnaire blanks were sent to the villages and cities of Minnesota having over 500 population. The rate schedules as herein published have been compiled from the replies received to these inquiries.

The report contains the public utility rates of most of the Minnesota towns. With the co-operation of municipal officials it has been possible to obtain fairly detailed information, 214 of the 261 villages and cities filling out the blanks submitted. The returns from the larger cities are practically complete, there being but one city of over 3,000 population that is not included in the compilation.

The rate schedules vary so much in form and detail that it has been impossible to present the material in the form of tables. The information is classified, therefore, under the main divisions, Gas Rates, Electric Rates, Water Rates, and arranged alphabetically according to the cities served. The populations are those given in the 1910 census.

The amount of use which may be possibly made of comparative rate schedules must depend upon the conditions under which the utilities are operating. It is realized that each utility faces local conditions, which are in some respects different from those confronting other utilities. The accessibility of comparative schedules, it is hoped, will be of value to those interested in the question of utility rates. The inspection of schedules published here would lead one to believe that in some cases a great deal of reliance has been placed on what the rates were in other places, and there undoubtedly have been instances where the rates were copied, in the main, from those in other cities.

This compilation is aimed to furnish the facts with regard to rates in Minnesota. These rates, to be of value, must, of course,

be studied in the light of the local conditions under which each utility operates.

In the preparation of the rate inquiries and in tabulating and checking the schedules I had the generous help of Mr. Charles W. Pfeiffer, graduate student in Economics. Thanks are also due to the municipal officials of Minnesota. This report has been made possible through their assistance. Like other issues in this series, its publication is supported by the Research Funds granted by the Legislature.

G. A. Gesell

University of Minnesota
September 1, 1914

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MINNESOTA PUBLIC UTILITY RATES

GENERAL CONCLUSIONS

EXTENT OF MUNICIPAL OWNERSHIP

Minnesota shows a higher percentage of municipally owned public utilities than any other state in the Union. The rates of 352 gas, electric, and water plants are presented in this report. Of these units 240 are operated by municipalities, 112 are privately owned.

	Private Plants	Municipal Plants
Electric	86	81
Gas	18	16
Water	8	153

Municipal ownership of water utilities is almost universal in Minnesota. One hundred and fifty-three villages and cities reported public ownership; only eight cities filed their rates under private operation. There are about forty additional water plants, confined in the main to municipalities having under 500 population, whose rates are not tabulated in this report. Water plants in these smaller towns are designed primarily for fire protection and it is fair to assume, therefore, that they are operated by the municipalities.

The following eight cities have privately owned water-works systems: Cass Lake, Coleraine, Crookston, Hutchinson, Little Falls, Proctorknott, Rochester, Sandstone.

McGraw's *Electrical Directory* and Brown's *Directory of American Gas Companies* are annual inventories, by states, of the gas and electric industries. Not since the publication of Baker's *Manual of Water Works* in 1897 have we had a directory of water utilities, and comparisons by states, as to the extent of municipalization, are therefore impossible. Sixteen hundred, or a little over 50 per cent of the plants listed in Baker's *Manual*, were privately owned. Of the 92 Minnesota water utilities, 11 were privately owned. Only one other state, Nebraska, showed as large a percentage of public ownership. Our sister state, Wisconsin, reported 30 of its plants privately owned. In a recent report of public utility rates in Wisconsin, 158 water

plants are listed. Of this number, 29, affecting a population of 269,957, are privately owned. The eight private plants in Minnesota serve an aggregate population of 31,534.

Thirty-four gas plants are included in this report. Of these, 16 are municipal units, 18 are private plants. In a bulletin on the manufacture of illuminating and heating gas for 1909, reprinted as a part of the Thirteenth Census, 15 Minnesota plants are listed under corporate organization and 26 under municipal. Referring to the form of ownership by states, the report says: "It will be noted that, except for Minnesota, where gas works operated by municipalities outnumbered all others, corporate ownership predominates over all other forms." Seven of the municipal plants included in the census survey are found in towns of less than 500 population. This accounts for the apparent discrepancy in numbers between this compilation and the government's report.

Duluth, purchasing its gas from the Zenith Coke Company, is the only municipal plant of importance in the State. The other municipal plants are confined to villages and cities of less than 2,000 population. Seventeen private plants are in cities of over 3,000 population. About 4,050,000,000 cubic feet of gas were sold in Minnesota in 1913. Duluth sold 340,000,000 cubic feet. The other municipal plants combined sold less than 15,000,000 cubic feet. The Minneapolis Gas Light Company alone sold 2,149,436,016 cubic feet, more than half the State's total production.

MINNESOTA GAS PLANTS

Privately Owned

	Population Census 1910		Population Census 1910
Albert Lea	6,192	North Mankato	1,279
Austin	6,960	Owatonna	5,658
*Crookston	7,559	Red Wing	9,048
Excelsior	1,015	Rochester	7,844
Faribault	9,001	St. Cloud	10,600
Hallock	910	St. Paul	214,744
Mankato	10,365	South St. Paul	4,510
Minneapolis	301,408	Stillwater	10,198
Moorhead	4,840	West Minneapolis	3,022
Northfield	3,265	Winona	18,583

*Rates not included in this report.

MINNESOTA GAS PLANTS—*Continued*

Municipally Owned

	Population Census 1910		Population Census 1910
*Ada	1,432	Heron Lake	803
*Adams	576	Houston	700
*Battle Lake	567	Lake Benton	844
*Bird Island	931	Lamberton	652
Canby	1,528	Madelia	1,273
Carver	571	*Monticello	858
*Cottonwood	770	*Mountain Lake	1,081
*Dodge Center	957	Norwood	522
Duluth	78,466	Renville	1,182
Elmore	795	*Slayton	850
Hayfield	586	West Concord	584
Hector	866		

McGraw's *Electrical Directory* (October, 1913) contains a summary of the electric light plants in the United States. Fourteen hundred and forty-three, or 25.2 per cent of the total of 5,641, are municipal plants. Minnesota with 190 plants is credited with an equal number of municipal and private plants. Below are given the three states showing the highest ratio of municipal to private plants.

State	Total Number of Plants	Number of Municipal Plants
Georgia	126	69
Mississippi	80	41
Minnesota	190	95

MINNESOTA ELECTRIC PLANTS

Municipal Plants

Adrian	Brainerd	Fosston	Melrose
Aitkin	Breckenridge	Gaylord	Milaca
Albany	Browntown	Hawley	Moorhead
Alexandria	Buffalo	Jackson	Mountain Iron
Anoka	Buhl	Kasson	Nashwauk
Appleton	Caledonia	Lake City	New Prague
Argyle	Chaska	Lakefield	New Ulm
Arlington	Delano	Lanesboro	North St. Paul
Aurora	Detroit	Litchfield	Ortonville
Austin	East Grand Forks	Long Prairie	Paynesville
Barnesville	Elbow Lake	Luverne	Pelican Rapids
Baudette	Ellsworth	Madison	Perham
Benson	Fairfax	Mahnomen	Pierz
Biwabik	Fairmont	Marble	Preston
Blue Earth	Fergus Falls	Marshall	Princeton

*Rates not included in this report.

MINNESOTA ELECTRIC PLANTS—*Continued*

Municipal Plants

Rochester	Shakopee	Thief River Falls	Walker
Roseau	Sherburne	Tracy	Warren
Rushford	Sleepy Eye	Two Harbors	Wells
St. Charles	Springfield	Virginia	Willmar
St. Peter	Staples	Wadena	Winnebago
		Worthington	

Private Plants

Albert Lea	Faribault	Lindstrom	Pine City
Annandale	Farmington	Little Falls	Pine Island
Belle Plaine	Frazee	Lyle	Plainview
Bemidji	Fulda	McIntosh	Proctorknott
Cambridge	Glencoe	Madelia	Red Lake Falls
Canby	Glenwood	Mankato	Red Wing
Cannon Falls	Graceville	Mapleton	Renville
Carleton	Grand Meadow	Minneapolis	Royalton
Cass Lake	Harris	Minneota	St. Cloud
Chatfield	Hastings	Montevideo	St. Paul
Chisholm	Henning	Montgomery	Sandstone
Clarkfield	Hinckley	Morgan	Sauk Center
Cloquet	Howard Lake	Morris	South St. Paul
Cold Spring	Hutchinson	Mountain Lake	Spooner
Coleraine	International Falls	New Richland	Spring Valley
Crookston	Janesville	North Branch	Stillwater
Dassel	Jordan	North Mankato	West Minneapolis
Deer River	Kasota	Northfield	Wheaton
Deerwood	Kenyon	Nymore	White Bear
Duluth	Lake Crystal	Osakis	Winona
Eveleth	Le Sueur Center	Owatonna	Zumbrota
Excelsior		Park Rapids	

MINIMUM BILLS

In the operation of public utilities there are certain costs which are directly chargeable to individual consumers and which it appears from the general practice of the utilities should be borne by the customers for whom the expenses are incurred. These expenses, because of their particular application and the further fact that they vary directly with the number of consumers, are commonly called "consumer" expenses. The minimum charge is designed to cover those costs which remain constant from month to month and which have little or no relation to consumption or to other causes aside from the fact that the consumer is in a position to receive service. The expense of removing and resetting meters, maintenance of service, mainte-

nance of meters, collection salaries, reading meters and delivering bills, collection supplies, are some of the expenses that are in no sense output costs. These expenses are directly proportional to the number of metered consumers except in so far as they are also affected by the size of service and of meter and the consequently larger direct expenses. Interest, taxes, and depreciation on the cost of meters (assuming that the companies or municipalities own the meters) are of a similar nature and should be provided for in the minimum bill. In addition to these items it is usually held that the minimum charge should be high enough to cover the cost of the average amount of water, gas, or electric current consumed by the class of consumers who take the minimum rates. To make this clear let us assume that a gas customer's consumer expenses are 40 cents per month and that he uses gas to the amount of 30 cents. A minimum bill of 40 cents would not cover the output cost. It follows, therefore, that if the company is to be reimbursed for the gas used, the minimum bill must be high enough to cover the fixed costs and also the average value of the gas used by the class of consumers who, in general, use the smallest amount of gas.

The electric utilities in Minnesota, with a few exceptions, have minimum bills ranging from 25 cents to $1.50 per month, the customary charge being $1.00. The gas minima are 25 cents, 50 cents, 75 cents and $1.00 per month. A number of municipalities do not impose minimum charges on their water consumers; but where such charges are in use they vary from $1.00 to $12.00 per year.

It is impossible to pass upon the reasonableness of a particular minimum without knowing the facts applicable in the specific case. Ownership of meters and service pipes by consumers instead of by the utilities may account for some of the low minimum rates. A minimum charge of $1.00 per month for water would appear, however, to be excessive and unreasonable, except, possibly, in very unusual cases.

The minimum bills in force in Minnesota are generally uniform for all consumers regardless of the demand for service or the investment in installation. A few cities, notably Winona and St. Paul, have graduated minimum bills varying the charges with the size of meters, as shown on the following page:

ST. PAUL

Size of Meters	Minimum Monthly Rates	Size of Meters	Minimum Monthly Rates
⅝-inch	$0.30	3-inch	$4.50
¾-inch	.35	4-inch	8.00
1 -inch	.50	6-inch	18.00
1¼-inch	.80	8-inch	32.00
1½-inch	1.10	10-inch	50.00
2 -inch	2.00	12-inch	72.00

WINONA

Size of Meters	Minimum Monthly Rates
⅝-inch, one faucet	$0.25
⅝-inch, two or more faucets	.50
¾-inch	.75
1 -inch	2.25
2 -inch	3.25

Two reasons are assigned for graduated minimum charges. It is argued that the minimum bill is, in part, a meter rental and ought therefore to be based upon the interest, depreciation, and maintenance of meters installed. This investment varies with the size of meters and logically the minimum bill should vary with the value of the installation.

There is another factor which would appear to justify the Winona and St. Paul schedules. Consumer and output expenses have been briefly touched upon in this section. In addition to these elements there is a third, capacity or demand, affecting operating costs. Water utilities in common with all public utilities must be constructed and operated to meet the maximum demands made upon them. Fires must be kept up, boilers and pumps must be maintained, standpipes must be constructed. To meet these requirements additional expenses must be added to the operating costs. In graduating their minimum bills the water departments of Winona and St. Paul recognize these three elements of demand, output, and consumer. The St. Paul consumer with six-inch service may not use any more water than the consumer with ⅝-inch service, but the consumer with six-inch service is subject to a higher minimum, first, because the consumer expenses are higher and, second, because he is in a position to demand and, normally, will demand more of the capacity of the plant.

FLAT AND METER RATES

As will be noted from an examination of the detailed schedules published in this bulletin, the meter basis of selling gas is used exclusively in the Minnesota cities listed. In the electric utility field the meter rate is used rather generally, but not exclusively. Many of the users of electric current are supplied at a flat rate, usually based upon the number of lights installed or upon the total wattage of the consumer's connected load. The sale of water by the utilities of Minnesota still follows to a large extent the method developed in the earlier days of the water-works business, when flat rates were in general use. No complete analysis of the reasons for the existence of the flat-rate system of rates or for the meter-rate system is practicable within the limits of this publication, but a statement of a few of the factors determining the method of sale may be of interest.

In the gas business what are known as output expenses constitute a relatively large part of total expenses. That is, a large part of the expenses of the utility vary with the amount of gas produced, and, within certain rather wide limits, it may be said that the addition of each unit of plant "send-out" causes the addition of an almost equal amount to the operating expenses. When a water plant is in full operation, under normal conditions, an increase of 10 per cent in the pumpage will increase the expenses only slightly. An increase of 10 per cent in the "send-out" of a gas utility, however, will increase the operating expenses immediately to a considerable extent. Naturally, then, any waste of gas, such as would follow the use of a flat-rate schedule, would cause a very sharp increase in expenses. As a result, the meter rate has come to be recognized as the only satisfactory method of selling gas.

What is true of the gas utilities is also true, though in lesser degree, of electric utilities. Increases in output have a very marked effect on expenses, particularly where current is generated by steam power. Where hydraulic power is plentiful, the expenses of electric plants are mostly fixed and increases in output such as result from unnecessary use of current under flat rates, are not serious, until the point is reached where the excessive use puts a strain upon the plant's capacity.

The water-supply business is largely a business of fixed expenses. When all parts of the system, the source of supply, the pumping equipment, and the distribution system are adequate, the operating expenses respond only slightly to variations in pumpage. For this reason the waste of water under flat rates, as far as it affects the cost of the business, is not as serious as might be supposed. The danger in the flat-rate plan of selling water is the danger of overtaxing the plant capacity. This danger is particularly serious where the source of supply is not capable of expansion to meet increased demands.

In those lines of utility business which approach most closely to ordinary manufacturing industries, and in which the cost varies materially as the output varies, the meter rate is almost a necessity, but the flat-rate plan will often answer the needs of utilities whose expenses are mostly fixed.

The decision in favor of a flat-rate or of a meter-rate system of charges in utilities with relatively high fixed expenses must be reached from a study of many elements aside from cost. There is no question that a meter rate for water under which each consumer pays for what he uses more nearly fits the accepted standards of equitableness than a rate under which consumers may receive widely different amounts of the product or service of the utility at the same price. But the abstract justice of a meter rate often has to yield to concrete objections. From the reports of Minnesota water plants it appears that 102,711 consumers are supplied through meters, and 33,291 are on flat rates. Of the metered consumers about 77,500 are in the cities of Minneapolis, St. Paul, and Duluth. Outside of these cities the flat-rate users outnumber those on meters.

The severity of the Minnesota winters, which makes the risk of injury to water meters from frost a serious one, probably has a good deal to do with the prevalence of the flat-rate schedule. A severe winter is disastrous to water utilities which use meters, but it also puts a burden upon flat-rate systems because the water which is allowed to waste to prevent freezing often severely taxes the capacity of the system.

The types of water meters in most general use are listed at about $8.40 per meter for a ⅝-inch size, the size most commonly used. When the cost of installing is added, the interest, depreciation, and maintenance costs will often more than offset

any saving in general operating expenses which would result from general metering. Many utilities, it will be noted, have part of their consumers supplied through meters and part on a flat rate. The installation of meters on certain classes of premises and upon individual services where waste of water has been detected is almost a necessity, but complete metering is probably a long way off for the majority of Minnesota water plants.

TYPES OF RATES

Gas.—The meter rates for gas show very little variety. The rates are either uniform for all quantities of gas consumed or else they are straight increment schedules, under which the price for uses in excess of a given quantity or quantities is lower for the added increments of consumption than it is for the first increment.

A variation of these types of schedule is found in a few cities, among which are St. Cloud and Stillwater, where a double-meter system is maintained with a different rate for fuel gas than for gas for illuminating purposes. The tendency in the gas business seems to be toward the abandonment of the double-meter system, on account of the additional cost of having two meters to do the work of one, and because there is no difference in the cost of supplying gas for these purposes which would make such a rate advisable. Other factors leading toward this condition are probably the more general use of electricity for lighting and the extension of the use of gas for cooking and other fuel purposes, which have made it unnecessary for the utilities to continue to offer lower rates in order to secure the fuel business.

Another departure from the general schedules is found in Duluth where a low rate is offered for gas used for industrial purposes. Industrial users, as a class, are large users, and the low rate for this purpose is generally given by means of an increment schedule with a low rate for added increments of consumption. A schedule such as that in Duluth relieves the industrial user of the necessity of paying for the first increments of his consumption at the rates which would be paid by general users taking the same amount of gas. The low rate to industrial users appears to be a "business getter", that is, it is a rate offered in order to attract a class of business which will add to

the total profits of the utility, although the profit on each unit of sales may be less than that on gas sold for ordinary fuel or illuminating purposes.

Electric.—One noteworthy feature of Minnesota electric rates is the infrequency with which "demand" schedules are encountered. The schedules in use in Minnesota are, in general, similar to those for gas, that is, they are either uniform for all quantities used or they afford lower rates based only on increased volume of consumption. There are a few exceptions to this. Illustrative of these exceptions are the schedules at Crookston, Graceville, Litchfield, and Minneapolis. There are a number of other schedules which embody the demand element, but these will be sufficient to illustrate the difference between these schedules and the ordinary increment rate.

The usual increment rate favors the large consumer. Where the only requirement for securing a low rate is the use of a certain number of kilowatt-hours of current, the larger consumers receive the lower rate regardless of the conditions under which they make their demand.

The advantage claimed for the demand rate is that it offers the lower rate to the consumer who uses his current under conditions which put the most favorable load upon the plant rather than to the consumer who uses a large amount of current, possibly at unfavorable times. To illustrate, it may be assumed that a consumer with 100 kilowatts installed uses current one hour per day. His monthly consumption would be 3,000 kilowatt-hours, but unless his use were a very unusual one he would be using current during the time of the day when the demand upon the plant was greatest. Another consumer with an installation of 10 kilowatts would have to use his installation 10 hours per day in order to use an equal amount of current. The greater part of his use would be made during "off-peak" hours when the demand on the generating station is light.

Under the ordinary increment schedule both consumers would pay the same rate, but under any form of demand rate the consumer using his load for the longer time or using the greater amount of current in proportion to his demand would get the lower rate, on the theory that the utility can furnish "off-peak" service for less than "peak-load" service. In the illustration given the smaller consumer could make only one tenth the de-

mand of the larger consumer and consequently uses his current under conditions relatively favorable to the utility.

The demand rate takes various forms, several of which are in use in Minnesota cities. Crookston has a consumer charge of $1.00 per month and a demand charge of $3.00 per kilowatt of demand per month, with a rate of 5 cents per kilowatt-hour for all current used for commercial lighting. The effect of this schedule is to spread the fixed charges over an increasing number of units as the use of current in proportion to demand increases, so that the total charge per unit of current is lower for long-hour than for short-hour users.

Graceville has a rate for commercial lighting which is reduced from 12 cents to 6 cents per kilowatt-hour after 32 hours' use per month of the active lights, and to 3 cents after an additional 64 hours' use. The reduction is dependent upon the length of time the lights are used and not upon the quantity of current. Under the Graceville rate a consumer, such as a small residence with 200 watts of active load, would get the six-cent rate after using 6.4 kilowatt-hours per month, and the three-cent rate on all above 19.2 kilowatt-hours. A consumer with an active installation three times as large would pay the twelve-cent rate on 19.2 kilowatt-hours and would get the three-cent rate only after using 57.6 kilowatt-hours. Similarly, a consumer with an active installation of 100 kilowatts would pay the primary rate on 3,200 kilowatt-hours, and the secondary rate on the next 6,400 kilowatt-hours. It will be seen from this that the demand rate does not favor the large consumer, but rather favors the consumer whose use is large in proportion to his demand, or, in other words, the long-hour user. The Graceville power rate is also illustrative of a demand rate.

Litchfield has a rate which is a demand rate in form but the secondary step is not reached until after two hours' use per day of the maximum demand. Since residence users, as a class, use current equivalent to less than two hours' use per day of their maximum demand it will be seen that the Litchfield rate does not give the general run of small consumers the advantages claimed for the demand rate.

Still another form of demand schedule is illustrated by the residential lighting rate in Minneapolis. Under this rate the first three kilowatt-hours per room per month come under the

primary rate. If a residence has rooms with a small number of lights in each, it would be necessary to use the lights a longer time per month to get above three kilowatt-hours per room than would be necessary in a residence better equipped. That is, residences of the poorer classes have less chance of getting the secondary rate than residences with a large number of lights per room. The "room basis" rates would treat all classes alike if all classes had equal lighting installations per room, but as this is not the case, the wealthier class, or the class with the greatest installation per room, derives a greater advantage from this form of schedule than do other classes. The Minneapolis retail power rate is also a demand rate, but the general lighting schedule is a straight increment rate.

These illustrations are sufficient to point out three of the more important types of demand schedules. One type consists of a "service charge" per unit of demand and a uniform rate for current; one consists of a step rate with the steps dependent upon the length of time the installation is in use; and, in the third, the room is accepted as the unit of demand, regardless of either the installation or the actual demand.

Power rates, in general, are lower than lighting rates. The reasons for this are various but the more important of them may be briefly stated here. Power is usually "off-peak" service, although instances are occasionally found where it constitutes the greater part of the station load. As "off-peak" service it can be furnished more cheaply than lighting service because it does not add to the equipment and labor required at the station. A rate for power as high as the lighting rate would ordinarily be prohibitive. Consequently the power rate must be low enough to meet the potential competition of independent power plants. Power uses, in addition to being "off-peak", are often long-hour uses, so that whatever fixed expenses are to be borne by the power rate are divided over a large number of units of current.

Water.—A discussion of the water rates in Minnesota, however brief, would not be complete without mention of the rates for the two principal classes of service furnished. Almost all, if not all, of the water plants in the State furnish fire protection as well as water for general uses.

The practice with regard to charging for fire protection varies

greatly. As has been pointed out nearly all of the water plants in the State are municipally owned. In these plants the charges for fire protection vary from nothing to an amount covering the entire cost of the services. Many of the cities have apparently proceeded on the theory that, as deficits arising from plant operation have to be made up by the city in any case, nothing would be gained by the formality of charging the cities for fire protection. Others have recognized that the city should make some payment for the service and have appropriated various amounts for this service.

Water-works men are not unanimous in approving any single method of determining the cost of fire protection, but many of the leading water-works engineers have used methods of apportionment which indicate that the cost of fire protection is, roughly, from $1.00 to $1.50 per capita per year for the general run of water plants. Judged by this standard, cities such as Anoka, with $3,700 paid for fire protection and a population of about 3,900, Northfield with 3,200 people and $2,700 paid, and a few others in the State are paying about the full cost of fire protection.

Whatever may be said regarding the practical necessity of cities paying for fire protection, it is true that the municipal plant can not fairly be compared with the private plant unless the former has the same sources of revenue as it would have if privately owned. Also there is probably some justice in the claim that where cities do not pay their proper share for fire protection there may, in some instances, be a tendency to require private consumers to pay more than their fair share of the expenses of the business.

The meter rates for water are, in general, graded in such a way that the larger consumer gets a lower rate per unit, although there are a number of plants which have a uniform rate. The most general type of meter rate is similar in form and application to the gas rates discussed above. There is, however, another type of water meter rate in use in a few cities which should be mentioned here. This is what is generally known as a "regressive" rate. Under this type of rate it is possible for a consumer to use a large amount of water for a less payment than he would have to make for a somewhat smaller amount. This situation arises from the fact that when a consumer uses enough

water to entitle him to the advantage of one of the lower steps of the rate schedule, that rate is applied to his entire consumption, instead of the first increment being billed at the higher rate. These schedules are sometimes indefinitely worded and instances sometimes arise where schedules worded alike are interpreted differently, so that in one city the regressive feature would be eliminated and, in another, retained. An examination of the schedules indicates, however, that there are a number of these regressive schedules in Minnesota. One type of schedule which is often applied in a regressive manner is illustrated by the following:

0 to 300 gallons per day, 30 cents per 1,000 gallons
300 to 500 gallons per day, 25 cents per 1,000 gallons
500 to 1,000 gallons per day, 20 cents per 1,000 gallons
1,000 to 5,000 gallons per day, 15 cents per 1,000 gallons
5,000 to 10,000 gallons per day, 10 cents per 1,000 gallons

A clearer wording of such a schedule would be:

First 300 gallons per day, 30 cents per 1,000 gallons
Next 200 gallons per day, 25 cents per 1,000 gallons
Next 500 gallons per day, 20 cents per 1,000 gallons
Next 4,000 gallons per day, 15 cents per 1,000 gallons
Next 5,000 gallons per day, 10 cents per 1,000 gallons

The general features of the flat-rate schedules are quite similar to those found in the water-supply business generally. The various classes of premises supplied are usually classified and a basic rate which usually covers the water used through one faucet is applied. The fixtures to be supplied in the various classes of premises are also classified and a rate applied to each. In some instances, in addition to the basic rate and the fixture rate, the size of the premises is also taken into account, and a rate for each room above a specified number is applied. In other cases the consuming unit is used. In factories there may be a charge for each hand employed. In other classes of premises there may be a charge per horse, or per cow, or per barrel of product.

The great variety of flat-rate charges illustrates the difficulties which are found in adapting flat-rate schedules to all conditions of use. Often, after all means of classification is exhausted, there remain certain classes of consumers which are listed as

"special", for whom the utility must either make rates entirely outside of the general structure of the rate schedule or supply service through meters.

GAS RATES

Albert Lea (6,192*)

Minnesota Gas and Electric Company

Production, water gas
Amount of gas sold, 5,986,260 cu. ft. (5 months)
Daily capacity of plant, 65,000 cu. ft.
Capacity of holders, 25,000 cu. ft.
Miles of mains, 15
Number of consumers, 900

Rates—

$1.50 per 1,000 cu. ft. gross
10% discount for amounts over 20,000 cu. ft.
Discount of 10% on bills paid within 10 days of rendering of bills

Austin (6,960)

Austin Gas Company

Production, water gas
Amount of gas produced per year, 17,000,000 cu. ft.
Daily capacity of plant, 100,000 cu. ft.
Capacity of holders, 67,000 cu. ft.
Number of miles of mains, 15
Number of consumers, 900

Rates—

$1.60 per 1,000 cu. ft. gross, $1.50 net
Minimum bill, 50 cts. per month

Canby (1,528)

Municipal Plant

Production, gasoline
Amount of gas sold, about $500

*Population according to census of 1910.

Number of consumers, about 30

Rates—

$1.50 per 1,000 cu. ft.

Carver (571)

Municipal Plant

Production, acetylene
Amount of gas sold, between $1,200 and $1,300
Daily capacity of plant, 2,000 lights
Miles of mains, 3½
Number of consumers, 64

Street lighting—

Number of lamps, 68
Charge to municipality, 90 cts. per 100 cu. ft. ($31.50 per month for 1913)
Burning schedule, darkness until 11 p.m.

Rates—

90 cts. per 100 cu. ft.

Duluth (78,466)

Municipal Plant

Gas purchased from Zenith Furnace Company
Amount of gas purchased, 300,000,000 cu. ft.
Amount of gas sold, 300,000,000 cu. ft.
Daily capacity of plant, 1,500,000 cu. ft.
Capacity of holders, 500,000 cu. ft.
Miles of mains, 127
Number of consumers, 9,000

Street lighting—

Number of lamps, 162
Type used, Welsbach mantles
Charge to municipality, 93 cts. per month

Rates—

Minimum monthly bill, 25 cts.
Illumination and cooking, 75 cts. net per 1,000 cu. ft.
Heating and manufacturing, 50 cts. net per 1,000 cu. ft.

Elmore (794)

Municipal Plant

Production, gasoline
Number of consumers, 25

Street lighting—

Number of lamps, 20 mantles
Charge to municipality, $600 per year
Burning schedule, from darkness till 10:30 p.m.

Rates—

$1.00 per 1,000 cu. ft.

Excelsior (1,015)

Citizens Gas Company

Production, crude oil
Miles of mains, between 2 and 3
Number of consumers, about 100

Rates—

Minimum bill, $1.00 per month
$2.25 per 1,000 cu. ft.
Discount of 25 cts. per 1,000 cu. ft. allowed on all bills paid before the 10th of month

Faribault (9,001)

Consumers Power Company

Production, coal gas
Amount of gas produced, 24,000,000 cu. ft. (1912 output)
Amount of gas sold, 22,000,000 cu. ft. (1912)
Daily capacity of plant, 150,000 cu. ft.
Capacity of holder, 66,000 cu. ft.
Miles of mains, 22
Number of consumers, 1,100

Rates—

Up to 10,000 cu. ft. per month, $1.50 per 1,000 cu. ft. gross, $1.30 net

10,000 to 25,000 cu. ft. per month, $1.50 per 1,000 cu. ft. gross, $1.20 net
25,000 to 50,000 cu. ft. per month, $1.50 per 1,000 cu. ft. gross, $1.10 net
50,000 to 100,000 cu. ft. per month, $1.50 per 1,000 cu. ft, gross, $1.00 net
100,000 cu. ft. and over, $1.50 per 1,000 cu. ft. gross, 90 cts. net

Hallock (910)

Hallock Light Company

Production, acetylene

Street lighting—

Number of lights, 35
Charge to municipality, 2 cts. per cu. ft.

Rates—

2 cts. per cu. ft.

Hayfield (586)

Municipal Plant

Production, gasoline
Amount of gas produced, 1,200,000 cu. ft.
Amount of gas sold, 1,050,000 cu. ft.
Miles of mains, 4
Number of consumers, 50

Street lighting—

Number of lamps, 22 Miner street lamps
Charge to municipality, about $1.00 per month
Burning schedule, 4 all night, rest from darkness to midnight

Rates—

$1.00 per 1,000 cu. ft.

Hector (866)

Municipal Plant

Production, gasoline

Number of consumers, 34

Rates—

$1.75 per 1,000 cu. ft.
No discount

Heron Lake (803)

Municipal Plant

Production, gasoline
Amount of gas sold, 2,154.04 cu. ft., not including street lighting
Miles of mains, 3
Number of consumers, 102

Street lighting—

Number of lamps, 38 Boulevard Peerless burners
Charge to municipality, $300.00 per annum
Burning schedule, 16 days per month, burning 5 hours per night

Rates—

80 cts. per 1,000 cu. ft.
No discounts

Houston (700)

Municipal Plant

Production, gasoline
Amount of gas sold, $1,613.05 (1913)
Miles of mains, 2
Number of consumers, 125

Street lighting—

Number of lamps, 22

Rates—

$1.50 per 1,000 cu. ft.

Lake Benton (844)

Municipal Plant

Production, gasoline

Amount of gas produced, about 900,000 cu. ft. (1913)
Amount of gas sold, about 600,000 cu. ft.
Miles of mains, 3
Number of consumers, 53

Rates—

$1.50 per 1,000 cu. ft.
No discounts

Lamberton (652)

Municipal Plant

Production, gasoline
Amount of gas produced, $2,600
Amount of gas sold, $2,000
Miles of mains, 3
Number of consumers, 150

Street lighting—

Number of lamps, 27
Burning schedule, 5 hours
Charge to municipality: "The deficiency is charged up to street lighting"

Rates—

$1.40 per 1,000 cu. ft.

Madelia (1,273)

Municipal Plant

Production, gasoline
Amount of gas produced, 250,000 cu. ft.

Street lighting—

Number of lamps, 39
Charge to municipality: "Costs the village about $10 per light annually"

Rates—

$1.40 per 1,000 cu. ft.

Mankato (10,365)

Consumers Power Company

Production, coal gas
Amount of gas produced, 44,521,000 cu. ft. (year ending Dec. 31, 1913)
Amount of gas sold, 38,822,800 cu. ft. (includes North Mankato)
Daily capacity of plant, 175,000 cu. ft.
Capacity of holders, one, 100,000; one, 150,000 cu. ft.
Miles of mains, 19.77 (includes North Mankato)
Number of consumers, 1,669

Rates—

Domestic:

Minimum monthly charge, 50 cts.
$1.50 per 1,000 cu. ft.
Discount, 16⅔% if paid within 10 days

Commercial (meter rate):

Cu. Ft. per Month	Gross per 1,000 Cu. Ft.	Net per 1,000 Cu. Ft.
0 to 25,000	$1,50	$1.25
25,000 to 50,000	1.50	1.10
50,000 to 100,000	1.50	1.00
100,000 to 200,000	1.50	.95
200,000 to 300,000	1.50	.90
300,000 and over	1.50	.85

Net rate applies if paid within 10 days

Minneapolis (301,408)

Minneapolis Gas Light Company

Production, coal and water gas
Amount of gas sold, 2,149,436,016 cu. ft. (1913)
Capacity of holders, 9,000,000 cu. ft.
Miles of mains, 487.712
Number of consumers, 68,150 (Jan. 1, 1914)

Street lighting—

Number of lamps, 5,387
Type of lamps, Welsbach
Charge to municipality, $10 per lamp per year for lighting, extinguishing, and maintenance

$8.60 for gas at 65 cts. per 1,000 cu. ft. (1913)
Burning schedule, 4,033 hours for 1913

Rates—

$1.00 per 1,000 cu. ft. gross, 85 cts. net for 1913; new rate fixed by city council for Sept. 1, 1913, but not published on account of injunction until Nov. 8, 85 cts. gross, 70 cts. net; final compromise 80 cts. for 21 months commencing April 1, 1914, and 77 cts. thereafter for 34 months.

Moorhead (4,840)

Union Light, Heat and Power Company

(Plant located in Fargo, N. D.)

Production, coal gas
Amount of gas sold, 11,649,200 cu. ft.
Miles of mains, 9.2
Number of consumers, 481 (Jan., 1914)

Rates—

Minimum bill, 50 cts. for meter
First 10,000 cu. ft. at $1.50 per 1,000 cu. ft.
Next 15,000 cu. ft. at $1.30 per 1,000 cu. ft.
Next 25,000 cu. ft. at $1.20 per 1,000 cu. ft.
Next 50,000 cu. ft. at $1.10 per 1,000 cu. ft.
All over 100,000 cu. ft. at $1.00 per 1,000 cu. ft.
Discount of 10% on bills paid within 10 days of the date of billing

Northfield (3,265)

Consumers Power Company

Production, coal gas
Piped from plant at Faribault
Amount of gas sold, 8,000,000 cu. ft. (including Dundas)
Capacity of holder, 20,000 cu. ft.
Miles of mains, 12
Number of consumers, 450 (including Dundas)

Rates—

Minimum monthly bill, 50 cts.
0 to 10,000 cu. ft., $1.60 gross, $1.44 net
10,000 to 25,000 cu. ft., $1.60 gross, $1.28 net
25,000 to 50,000 cu. ft., $1.60 gross, $1.20 net
50,000 to 100,000 cu ft., $1.60 gross, $1.12 net
100,000 cu. ft. and over, $1.60 gross, $1.04 net

North Mankato (1,279)

Consumers Power Company

See Mankato

Norwood (522)

Municipal Plant

Production, acetylene
Amount of gas produced, 74,200 pounds of carbide used during year, costing $2,376.84, including freight
Capacity of holders, 500 cu. ft.
Miles of mains, 3
Number of consumers, 90

Street lighting—

Number of lamps, 40
Burning schedule, moonlight

Rates—

80 cts. per 100 cu. ft.
No discount

Owatonna (5,658)

Public Service Operating Company

Production, water gas
Amount of gas produced, 7,900,000 cu. ft.
Daily capacity of plant, 80,000 cu. ft.
Capacity of holders, 50,000 cu. ft.
Number of consumers, 390

Length of mains, 50,000 ft.

Rates—

Minimum bill, 25 cts. per meter
$1.40 per 1,000 cu. ft. gross
Discounts:
2,000 cu. ft., 10 cts. per 1,000 cu. ft., if bill is paid by the 10th of the month
2,100 to 5,000 cu. ft., 20 cts. per 1,000 cu. ft., if bill is paid by the 10th of the month
5,100 to 10,000 cu. ft., 35 cts. per 1,000 cu. ft., if bill is paid by the 10th of the month

Red Wing (9,048)

Red Wing Gas Light and Power Company
(American Utilities Company, Grand Rapids, Mich.)

Production, coal gas
Amount of gas sold, 40,000,000 cu. ft.
Daily capacity of plant, 153,000 cu. ft.
Capacity of holders, 180,000 cu. ft.
Miles of mains, 17
Number of consumers, 1,300

Rates—

Minimum bill, 25 cts. per month
$1.50 per 1,000 cu. ft.
Discount of 20 cts. for prompt payment

Renville (1,182)

Municipal Plant

Production, water gas
Amount of gas produced, 2,197,300 cu. ft.
Amount of gas sold, 2,197,300 cu. ft.
Miles of mains, 3½
Number of consumers, 138

Street lighting—

Number of lamps, 30
Type used, mantles

No charge to municipality
Burning schedule, darkness to 11 o'clock

Rates—

$1.50 per 1,000 cu. ft.
No discounts

Rochester (7,844)

Private Plant

Production, coal gas
Amount of gas produced, 30,000,000 cu. ft. (estimate for 1914)
Daily capacity of plant, 200,000 cu. ft.
Capacity of holders, 67,000 cu. ft.
Miles of mains, 13
Number of consumers, 1,030

St. Cloud (10,600)

Public Service Company

Production, coal gas
Amount of gas produced, 17,000,000 cu. ft.
Amount of gas sold, 16,350,000 cu. ft.
Daily capacity of plant, 125,000 cu. ft.
Capacity of holders, 50,000 cu. ft.
Miles of mains, 10
Number of consumers, winter 650, summer 775

Rates—

Illuminating gas: $1.85 per 1,000 cu. ft.
Fuel gas: $1.35 per 1,000 cu. ft.
Discount of 10 cts. per 1,000 cu. ft. on bills paid before 10th of month next following

St. Paul (214,744)

St. Paul Gas Light Company

Production, coal and enriched water gas mixed
Amount of gas sold, 1,236,000,000 cu. ft. (1913)

Daily capacity of plant, 7,500,000 cu. ft.
Capacity of holders, 4,750,000 cu. ft.
Miles of mains, 279.617 (May, 1911)
Number of consumers, 30,752-33,000

Street lighting—

Number of lamps, gas 4,500, gasoline 1,200
Type of lamps, Welsbach boulevard inverted type, single burners
Charge to municipality, $10.50 per post for one year for gas and $11.00 for maintenance per year
$29.85 for furnishing and maintaining gasoline lamps

Rates—

Minimum bill, 25 cts.
First 10,000 cu. ft., $1.10 per 1,000 cu. ft. gross, 90 cts. net
Next 40,000 cu. ft., $1.05 per 1,000 cu. ft. gross, 85 cts. net
Excess over 50,000 cu. ft., 95 cts. per 1,000 cu. ft. gross, 75 cts. net

South St. Paul (4,510)

South St. Paul Gas and Electric Company

Production, coal and water gas
Amount of gas purchased, 5,699,700 cu. ft.
Amount of gas sold, 5,530,500 cu. ft.
Miles of mains, 8
Number of consumers, 207

Rates—

Minimum bill, 25 cts.
First 10,000 cu. ft., $1.25 per 1,000 cu. ft. gross
Next 40,000 cu. ft., $1.10 per 1,000 cu. ft. gross
Excess over 50,000 cu. ft., $1.00 per 1,000 cu. ft. gross
Discount, 10 cts. per 1,000 cu. ft.

Stillwater (10,198)

Consumers Power Company

Production, coal gas
Amount of gas produced, 33,524,300 cu. ft.

Amount of gas sold, 28,361,000 cu. ft.
Daily capacity of plant, 220,000 cu. ft.
Capacity of holders, 200,000 cu. ft.
Miles of mains, 33.3
Number of consumers, 1,202

Rates—

Illuminating gas, $1.70 per 1,000 cu. ft. less 20%; no discount allowed unless consumption amounts to 600 cu. ft. or more

Fuel gas, $1.30 per 1,000 cu. ft. less 20%; no discount allowed unless consumption amounts to 600 cu. ft. or more

West Concord (584)

Municipal Plant

Production, carbide gas
Length of mains, 5 blocks
Number of consumers, 25

Street lighting—

Number of lamps, 30
Charge to municipality, $1.00 per cu. ft.

Rates—

$1.00 per cu. ft.

West Minneapolis (3,022)

Municipal Plant

Production, carbureted water gas
Amount of gas produced, 6,000,500 cu. ft.
Amount of gas sold, 5,000,000 cu. ft.
Daily capacity of plant, 30,000 cu. ft.
Capacity of holders, 8,000 cu. ft.
Miles of mains, 5
Number of consumers, 200

Rates—

$1.40 per 1,000 cu. ft., subject to a discount of 10%

Winona (18,583)

Winona Gas Light and Coke Company

Production, coal gas
Amount of gas produced, 65,000,000 cu. ft.
Daily capacity of plant, 400,000 cu. ft.
Capacity of holders, 240,000 cu. ft.
Miles of mains, 34
Number of consumers, 2,955

Street lighting—

Number of lamps, 170
Type of lamp used, Welsbach burners
Charge to municipality, $25.00 per year
Burning schedule, moonlight

Rates

Illuminating gas, $1.50 per 1,000 cu. ft., 25 cts. discount if paid in 10 days

Industrial purposes:

20,000 to 30,000 cu. ft., $1.00 per 1,000 cu. ft. net
30,000 to 40,000 cu. ft., 90 cts. per 1,000 cu. ft. net
40,000 cu. ft. and over, 80 cts. per 1,000 cu. ft. net

Ada (1,432)

Municipal Plant

Method of generation, steam
Number of consumers, 300
Daily operating period, continuous

Commercial lighting and power—

Meter rates:
Minimum monthly bill, $1.00
8 cts. per kw-hr.
No discount

Street lighting—

6 arc lights
60 60-watt incandescents
City pays 8 cts. per kw-hr.

Adrian (1,112)

Municipal Plant

Method of generation, steam
Number of consumers, 203
Daily operating period, continuous

Commercial lighting—

Meter rates:
Minimum monthly bill, 50 cts
10 cts. per kw-hr.
No discount

Flat rates:
75 cts. (presumably per light per month)

Commercial power—

Meter rates:
Minimum monthly bill, 50 cts.
8 cts. per kw-hr.
No discounts

Street lighting—

32 5-light ornamental posts
40 tungstens. City pays 5 cts. per kw-hr.
Burning schedule, dusk till 12:30 a.m.

Aitkin (1,638)

Municipal Plant

Method of generation, steam
Number of consumers, 239
Daily operating period, sunset to sunrise

Commercial lighting—

Meter rates:

Meter rental, 25 cts. per month
10 cts. per kw-hr.

Flat rates:

50 cts. per light, $1.00 if burning all night
No discounts

Street lighting—

100 incandescents in White Way and 30 others; burn till midnight; property is assessed $1,000 for street lighting

Albany (657)

Municipal Plant

Method of generation, coal gas
Total yearly current sold, 16,410 kw-hrs.
Number of consumers, 91
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill, 50 cts.; meter rental, 15 cts.
12½ cts. per kw-hr.

Flat rates:

Outside lights, $1.25 per light of 32 c.p.

Street lighting—

21 incandescents
No charge to city

ALBERT LEA (6,192)

Minnesota Gas and Electric Company

Method of generation, steam
Number of consumers, 1,500
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

12¼ cts. per kw-hr., subject to the following discounts upon each monthly bill for each metered consumer:

5% on all gross bills over $1.99 and to and including $5.49
10% on all gross bills over $5.49 and to and including $10.99
15% on all gross bills over $10.99 and to and including $16.49
20% on all gross bills over $16.49 and to and including $21.99
25% on all gross bills over $21.99 and to and including $27.49
30% on all gross bills over $27.49

For current used for power purposes exclusively in motors of 1 h.p. and over, not to exceed the following rates, for each metered consumer, 7½ cts. per 1,000 watt hours

The minimum bill for one month's service shall be $1.11; a further discount of 10% on all bills regardless of amount whether it be minimum or over shall be allowed, if bill is paid by the 19th of the following month

Street lighting—

21 250-watt tungstens at $45.00 per annum
119 100-watt tungstens at $24.00 per annum
72 75-watt tungstens at $19.50 per annum
*52 60-watt tungstens at $11.07 per annum
*52 40-watt tungstens at $7.38 per annum
105 40-watt tungstens at $20.10 per annum
12 40-watt tungstens at $15.00 per annum

Burning on a moonlight schedule with proportionate discounts from these rates when turned off on moonlight nights

*These groups burn only to 11 o'clock.

Alexandria (3,001)

Municipal Plant

Method of generation, steam
Number of consumers, 400
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 60 cts.; this includes 25 cts. meter rental
First 50 kw-hrs., 10 cts. per kw-hr.
Second 50 kw-hrs., 9½ cts. per kw-hr.
Over 100 kw-hrs., 9 cts. per kw-hr.
Penalty of 25 cts. if bill is not paid by 15th of following month

Commercial power—

Meter rates:

Minimum monthly bill, $2.00 for 1 h.p. or 2 h.p. installation; $3.00 for 3 h.p.; 50 cts. for each additional h.p. of installation
First 50 kw-hrs., 8 cts. per kw-hr.
Next 50 kw-hrs., 7 cts. per kw-hr.
From 100 to 200 kw-hrs., 6 cts. per kw-hr.
From 200 to 400 kw-hrs., 5 cts. per kw-hr.
All over 400 kw-hrs., 4 cts. per kw-hr.
Penalty for late payment, same as above

Street lighting—

12 arcs; rate, $75.00 per annum per arc
118 50-watt tungstens; rate, $18.00 per annum per light
Burning schedule, all night

Annandale (624)

Annandale Electric Light and Power Company

Method of generation, gasoline and kerosene
Number of consumers, 100
Daily operating period, continuous

Commercial lighting—

Meter rates:

20 cts. per kw-hr.
15 cts. per month meter rental
"Practically no electricity is used for power"

Street lighting—

4 arc lights
25 40-watt incandescents; city pays $75.00 per month
Burning on a moonlight schedule till 11:00 p.m.

Anoka (3,972)

Municipal Plant

Method of generation, steam
Number of consumers, 510
Daily operating period, continuous

Commercial lighting—

Meter rates:

12 cts. per kw-hr. with following discounts:
On bills from $2.50 to $5.00, 5%
On bills from $5.00 to $10.00, 10%
On bills from $10.00 to $20.00, 20%
On bills over $20.00, 33%

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
6 cts. per kw-hr. for the first 100 kw-hrs.
5 cts. per kw-hr. for the next 400 kw-hrs.
4 cts. per kw-hr. for over 500 kw-hrs.
4 cts. per kw-hr. if over 20 h.p. installation

Street lighting—

50 series incandescents bracket lamp
30 flaming arcs. City pays $1,600 per annum
Burning on a moonlight schedule till 1:00 a.m.

Appleton (1,221)

Municipal Plant

Method of generation, steam
Number of consumers, 263
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 50 cts.
12½ cts. per kw-hr.
10% added if not paid by 10th of following month

Street lighting—

42 mazda incandescents
Burning schedule, moonlight; to midnight

Argyle (744)

Municipal Plant

Method of generation, steam
Number of consumers, 120
Daily operating period, "from dusk till 12 o'clock a.m."

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.
12 cts. per kw-hr.

Flat rates:

25 cts. per 22-watt carbon lamp
35 cts. per 30-watt carbon lamp
40 cts. per 25-watt lamp
60 cts. per 40-watt lamp

Commercial power—

Meter rates:

Minimum monthly bill, same as for lighting
12 cts. per kw-hr. for "all motors not over 3 h.p."

Street lighting—

About 2,500 mazdas and carbons. City pays about $135.00 a month

Arlington (733)

Municipal Plant

Method of generation, steam
Number of consumers, 137
Daily operating period, 6 hours

Commercial lighting—

Minimum monthly bill, 60 cts.
10 cts. per kw-hr.

Street lighting—

28 incandescents

Aurora (1,919)

Municipal Plant

Method of generation, steam
Yearly current generated, 200,000 kw-hrs.
Number of consumers, 190
Daily operating period, 1:00 p.m. to 8:00 a.m.

Commercial lighting and power—

Meter rates:

Monthly minimum bill, 50 cts.

1 to	50	kw-hrs., 9 cts. per kw-hr.
50 to	100	kw-hrs., 7 cts. per kw-hr.
100 to	300	kw-hrs., 6 cts. per kw-hr.
300 to	500	kw-hrs., 5 cts. per kw-hr.
500 to	1,000	kw-hrs., 4 cts. per kw-hr.

Flat rates:

25 cts. for each 25-watt lamp

Street lighting—

63 100-watt series street lamps
19 5-light ornamental posts carrying 500 watts each, or 100 watts to each light
No charge made

Austin (6,960)

Municipal Plant

Method of generation, steam
Number of consumers, 1,470
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.
8 cts. per kw-hr., with the following discounts:
On bills from $2.00 to $5.00, 10%
On bills from $5.00 to $10.00, 12%
On bills from $10.00 to $14.00, 15%
On bills from $14.00 to $18.00, 20%
On bills from $18.00 to $23.00, 25%
On bills from $23.00 to $30.00, 30%
On bills from $30.00 to $40.00, 35%
On bills from $40.00 to $50.00, 40%
On bills from $50.00 to $60.00, 45%
On bills of $60.00 and over, 50%

Commercial power—

Meter rates:

Minimum monthly bill, $2.00
5 cts. per kw-hr. with following discounts:
On bills from $3.00 to $7.50, 5%
On bills from $7.50 to $12.50, 10%
On bills from $12.50 to $25.00, 15%
On bills from $25.00 to $50.00, 20%
On bills from $50.00 to $100.00, 25%
On bills from $100.00 to $150.00, 30%
On bills from $150.00 to $200.00, 35%
On bills from $200.00 to $250.00, 40%
On bills from $250.00 to $300.00, 45%
On bills from $300.00 and over, 50%

Street lighting—

120 magnetite arcs; rate, $48.00 per arc per annum
80 series mazdas; rate, $8.25 per lamp per annum
Moonlight burning schedule

BARNESVILLE (1,353)

Municipal Plant

Method of generation, steam
Number of consumers, 170
Daily operating period, all night and two forenoons a week for heating devices

Commercial lighting and power—

Meter rates:

Minimum monthly bill, 75 cts.; meter rental, 25 cts.
First 57 kw-hrs., 11 cts. per kw-hr.
Next 100 kw-hrs., 10 cts. per kw-hr.
Next 200 kw-hrs., 9 cts. per kw-hr.
Next 300 kw-hrs., 8 cts. per kw-hr.
All over 657 kw-hrs., 7 cts. per kw-hr.

Street lighting—

140 lamps, about half and half 60-watt and 40-watt mazdas.
City pays $2,800.00 per annum

BAUDETTE (897)

Municipal Plant

Method of generation, steam
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00 per month
First 50 kw-hrs., 12 cts. per kw-hr.
Next 50 kw-hrs., 10 cts. per kw-hr.
Discount of 25% on all accounts paid before the 10th of the month

Street lighting—

53 100-watt mazdas
City pays 7 cts. per kw-hr.
Burning schedule, sunset till sunrise

Belle Plaine (1,204)

Northern Power Company

Method of generation, steam
Number of consumers, 150
Daily operating period, from sunset to 1:00 a.m. and from 5:30 a.m. till sunrise

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
10 cts. per kw-hr.

Commercial power—

10 cts. per kw-hr. for the first 30 kw-hrs.
7 cts. for all in excess

Street lighting—

10 arc lights
22 100-c.p. tungstens. City pays $94.00 a month
Burning schedule, sunset to 1:00 a.m. every night

Bemidji (5,099)

Warfield Electric Company

Method of generation, water power and steam
Number of consumers, 600
Daily operating period, continuous

Commercial lighting—

Meter rates:

25 kw-hrs. and under, 10 cts. per kw-hr.
100 kw-hrs. and under, 9 cts. per kw-hr.
200 kw-hrs. and under, 8 cts. per kw-hr.
300 kw-hrs. and under, 7 cts. per kw-hr.
500 kw-hrs. and under, 6 cts. per kw-hr.
Above 500 kw-hrs., 5 cts. per kw-hr.
Discount 10% if paid within 10 days

Flat rates:

16-c.p. lamp, 50 cts.; if burning all night, $1.00

Commercial power—

Meter rates:

$1.00 per h.p., service charge
3½ cts. per kw-hr., energy charge
Discount the same as above

Street lighting—

126 32-c.p. street lights cost $1.25 each per month
44 arc lights cost $7.50 each per month
11 arches across streets cost $7.50 each per month
10% discount allowed
Burning schedule, continuous

Benson (1,677)

Municipal Plant

Method of generation, steam
Total yearly generation, 246,636 kw-hrs.
Number of consumers, 285
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 65 cts.
10 cts. per kw-hr.

Commercial power—

Meter rates:

Same minimum as above
8 cts. per kw-hr.

Street lighting—

55 60-watt lamps. Rate, 10 cts. per kw-hr.
Burning schedule, 6:00 p.m. till 1:00 a.m.

Biwabik (1,690)

Municipal Plant

Method of generation, steam. City owns the generator, switchboard, and lines. A mining company supplies steam and labor under contract at 5 cts. per kw-hr.

Number of consumers, about 400
Daily operating period, dusk till daylight

Commercial lighting and power—

Meter rates:

No minimum charge
1 to 20 kw-hrs., 12 cts. per kw-hr.
20 to 60 kw-hrs., 11 cts. per kw-hr.
60 to 100 kw-hrs., 10 cts. per kw-hr.
100 to 200 kw-hrs., 9 cts. per kw-hr.
More than 200 kw-hrs., 8 cts. per kw-hr.

Street lighting—

35 General Electric luminous magnetic arcs
No charge
Burning schedule, dusk till 6:00 a.m.

Blue Earth (2,319)

Municipal Plant

Method of generation, steam
Number of consumers, 350
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.
10 cts. per kw-hr.

Commercial power—

Meter rates:

Minimum monthly bill (apparently same as for lighting), "from 10 cts. down to 7 cts."

Street lighting—

92 goosenecks, $11.50 per annum per light
18 cluster lights
Burning on a moonlight schedule

Brainerd (8,526)

Municipal Distributing Plant

Current purchased from Cuyuna Range Power Company, generated by hydraulic power. Total purchased, 694,076 kw-hrs. during 1913

Number of consumers, 1,327

Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts. per month

6½ cts. per kw-hr.

No discounts

Commercial power—

Meter rates:

First 500 kw-hrs., 6 cts. per kw-hr.

Next 500 kw-hrs., 5 cts. per kw-hr.

Over 1,000 kw-hrs., 4 cts. per kw-hr.

Street lighting—

86 Westinghouse 4-ampere type B flaming arcs. City pays 3⅓ cts. per kw-hr.

Burning on a moonlight schedule

Breckenridge (1,840)

Municipal Plant

Current purchased from Otter Tail Power Company. Yearly amount purchased, 207,325 kw-hrs.

Number of consumers, 450

Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.; meter rental, 25 cts. per month

9 cts. per kw-hr.

Flat rates:

90 cts. per month for each 16-c.p. light used. (This rate applies only to a few hall lights in public buildings)

Commercial power—

6 cts. per kw-hr.

Heating rates—

3 cts. per kw-hr.

Street lighting—

24 5-light ornamental standards
30 arc lamps. City pays 9 cts. per kw-hr.
Burning schedule, all night for part of the lamps

Brownton (509)

Municipal Plant

Method of generation, gasoline engine
Number of consumers, 60
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum bill, 50 cts. and 25 cts. for meter rental
12½ cts. per kw-hr.

Flat rates:

For halls and bank, 75 cts. per month (evidently per light)

Street lighting—

25 mazda lamps burning till 11:00 o'clock

Buffalo (1,227)

Municipal Plant

Method of generation, producer gas engine
Number of consumers, 215
Daily operating period, from about 4:30 p.m. till about 8:00 a.m.; Saturdays until midnight; Wednesdays it continues till 12:00 m.

Commercial lighting—

Meter rates:

10 cts. per kw-hr. for consumers in the corporate limits

15 cts. per kw-hr. for consumers outside the limits; this rate applies to about 6 consumers

Street lighting—

14 arc lights
30 60-watt incandescents
Burning on a moonlight schedule

Buhl (1,005)

Municipal Plant

Method of generation, steam
Estimate of yearly current generated, 30,000 kw-hrs.
Number of consumers, 170
Daily operating period, continuous

Commercial lighting and power—

Meter rates:
8 cts. per kw-hr.
10% discount if bills are paid by the 10th

Street lighting—

25 5-light ornamental posts, each with 4 60-watt and 1 100-watt tungstens
17 4-ampere metallic flame arc lights. City pays $116.50 a month for the arc lights
"White Way is new and rates have not yet been fixed"
Burning schedule, dusk to daylight, except the 4 bottom lights on the ornamental posts which are turned off at midnight

Caledonia (1,372)

Municipal Plant

Method of generation, steam
Number of consumers, 290
Daily operating period, all night

Commercial lighting—

10 cts. per kw-hr.

Street lighting—

72 100- and 60-watt lamps
Burning on moonlight schedule

Cambridge (900)

Cambridge Milling Company

Method of generation, steam
Number of consumers, 225
Daily operating period, continuous except Sunday

Commercial lighting and power—
Meter rates:
First 20 kw-hrs., 10 cts. per kw-hr.
Next 10 kw-hrs., 9 cts. per kw-hr.
Next 10 kw-hrs., 8 cts. per kw-hr.
All over 40 kw-hrs., 7 cts. per kw-hr.
Flat rates:
$1.00 per month for 4 lights
$1.25 per month for 6 lights; there are several consumers with 7 or 8 lights paying $1.25 and one with 13 lights paying $1.75; an attempt is being made to eliminate all flat rates

Street lighting—
19 60-watt incandescents
3 500-c.p. arcs
City pays $49.75 a month; the company also sells current to the city for pumping water, for which it receives a flat rate of $25.00 a month

Canby (1,528)

Citizens Light, Heat and Power Company

Method of generation, steam
Number of consumers, 318
Daily operating period, continuous, with exception of 8 hours on Sundays

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00 per month
First 40 kw-hrs., 15 cts. per kw-hr.
Next 60 kw-hrs., 12 cts. per kw-hr.
Next 200 kw-hrs., 11 cts. per kw-hr.
All over 300 kw-hrs., 10 cts. per kw-hr.

Flat rates:

1 40-watt lamp, per month, 50 cts.
1 25-watt lamp, per month, 25 cts.
Discount, 5% if paid within 10 days

Commercial power—

Meter rates:

1 h.p. to less than 2 h.p., 10 cts. per kw-hr.
2 h.p. to less than 5 h.p., 9 cts. per kw-hr.
5 h.p. to less than 10 h.p., 8 cts. per kw-hr.
10 h.p. to less than 15 h.p., 7 cts. per kw-hr.
15 h.p. to less than 25 h.p., 6 cts. per kw-hr.
25 h.p. and all over, 5 cts. per kw-hr.

Above prices are for first 30 kw-hrs. per month per h.p. installed, all current used over that at 4 cts. per kw-hr.; the city pays 6 cts. for first 200 kw-hrs., balance at 4 cts. per kw-hr.

Street lighting—

82 single 100-watt lamps; 12 ornamental standards with 5 lights, 140 watts to the post; rate, $28.00 per annum per 100-watt lamp

Burning schedule, dusk to midnight

Cannon Falls (1,385)

Consumers Power Company

Method of generation, water power with steam auxiliary
Daily operating period, continuous

Commercial lighting and power—

LIGHTING RATES (METER RATES)

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
First 100	10.0	9.0	8.0
Next 100	9.0	7.0	6.0
Next 300	7.0	6.0	5.0
Next 500	6.0	5.0	4.5
Next 1,000	5.0	4.0	4.0
Next 1,000	4.0	3.5	3.5

LIGHTING RATES (METER RATES)—*Continued*

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
Next 1,000	3.5	3.4	3.4
Next 1,000	3.4	3.3	3.3
Next 1,000	3.3	3.2	3.2
Next 1,000	3.2	3.1	3.1
Next 1,000	3.1	3.0	3.0
Next 1,000	3.0	2.9	2.9
Next 1,000	2.9	2.8	2.8

Above rate also applies to power installations of less than 1 h.p.

POWER RATES (METER RATES)

Kw-hrs.	Schedule D Cts. per Kw-hr.	Schedule E Cts. per Kw-hr.
First 100	5.5	4.5
Next 400	5.0	4.0
Next 500	4.0	3.5
Next 1,000	3.5	3.2
Next 3,000	3.4	3.1
Next 5,000	3.3	3.0
Next 5,000	3.2	2.9
Next 10,000	3.1	2.8
Next 10,000	3.0	2.7
Next 15,000	2.9	2.6

The above rate applies to installations of 1 h.p. and over.

Schedule A applies to residence consumers and consumers whose use of capacity installed is less than 3 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule B does not apply to residence lighting but applies to consumers whose use of the capacity installed is 3 kw-hrs. and less than 5 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule C does not apply to residence lighting but applies to consumers whose use of the capacity installed is 5 kw-hrs. and over per 50-watt lamp or equivalent per month.

Schedule D applies to consumers whose use of the capacity installed is less than 25 kw-hrs. per month per horse power.

Schedule E applies to consumers whose use of the capacity installed is 25 kw-hrs. or more per month per horse power.

The above lighting and power rates are subject to a discount of 10% if bills are paid at the office of the company on or before 10 days from the date of rendering thereof. If not paid on or before 10 days from the date of rendering of bills, no discount will be allowed, and the service will be discontinued without further notice on or after 15 days from the rendering of the bill at the option of the company.

A minimum monthly service charge of $1.00 net will be made for each meter installed, to lighting consumers and for each horse power connected to power consumers.

A reconnection charge of $1.00 net will be made for each and every meter reset when meter is taken out by reason of consumer becoming delinquent.

Street lighting—

80 60-watt tungstens. City pays $10.00 per lamp per annum
Burning till midnight, except when moonlight

Carlton (597)

Cloquet Electric Company

Current purchased from Cloquet
Daily operating period, continuous
(Commercial rates omitted from report)

Street lighting—

26 lights. City pays $35.00 per month on the average

Cass Lake (2,011)

Cass Water, Light and Power Company

Method of generation, steam
Number of consumers, 250
Daily operating period, twilight till dawn

Commercial lighting—

Meter rates:

10 to 20 kw-hrs., 15 cts. per kw-hr.
20 to 50 kw-hrs., 14 cts. per kw-hr.
50 to 100 kw-hrs., 13 cts. per kw-hr.
100 to 150 kw-hrs., 12 cts. per kw-hr.
150 to 200 kw-hrs., 10 cts. per kw-hr.

Flat rates:
50 cts. per 40-watt lamp

Street lighting—
26 cluster lights, 3 60-watt mazdas in each cluster. City pays $5.00 per month each
Burning on a moonlight schedule

Chaska (2,050)

Municipal Plant

Method of generation, steam
Yearly generation, 60,000 kw-hrs.
Number of consumers, 150
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, 75 cts.
11 cts. per kw-hr.

Commercial power—
Meter rates:
9 cts. per kw-hr. up to 300 kw-hrs.
For all current above 300 kw-hrs., ½ ct. less is charged for every 300 kw-hrs.

Street lighting—
34 100-watt tungsten lamps; plant is credited $17.50 per lamp per year
Burning on a 12:00 o'clock moonlight schedule

Chatfield (1,228)

Chatfield Electric Light and Power Company

Method of generation, water power with steam auxiliary
Number of consumers, 203
Daily operating period, darkness until midnight, 5:00 a.m. till daylight

Commercial lighting—

Meter rates:

13 cts. per kw-hr.

Flat rates:

50 cts. per 16-c.p. lamp per month

Street lighting—

3 arc lights

63 60-watt tungstens. City pays $109.00 a month

Chisholm (7,684)

Range Power Company

Method of generation, current purchased, auxiliary steam plant
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill: A meter rental of 50 cts. per month is allowed by franchise, this to be the minimum bill, in case where energy charge would be less than 50 cts. For power rates, a minimum of 50 cts. per h.p. is charged, up to 10 h.p. Above this, special rates will be made.

Up to 20 kw-hrs., 11 cts. per kw-hr.
20 kw-hrs. to 60 kw-hrs., 10½ cts. per kw-hr.
60 kw-hrs. to 100 kw-hrs., 8½ cts. per kw-hr.
100 kw-hrs. to 200 kw-hrs., 7½ cts. per kw-hr.
200 kw-hrs. to 500 kw-hrs., 6½ cts. per kw-hr.

Above 500 kw-hrs., special rates lower than the above quoted

Discount of 1 ct. per kw-hr. allowed if bills are paid by 10th of following month

Street lighting—

Burning schedule, all night and every night

50 4-ampere magnetite constant current luminous arcs; rate, $10.00 per arc per month

34 ornamental posts, cluster lighting. Rate same as the lowest commercial lighting charge for energy. Village gets same discount as private consumers by paying bill within 30 days.

The company is required to furnish the city for lighting of public buildings, an aggregate of 750 kw-hrs. per month free of charge. All current in excess of this amount the city will pay for at the lowest commercial rates.

Clarkfield (603)

Clarkfield Roller Mills and Electric Light Company

Method of generation, gas and oil engines
Yearly current generated, 253,250 kw-hrs.
Number of consumers, 67
Daily operating period, 6:00 a.m. until 11:00 p.m.

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
15 cts. per kw-hr.

Commercial power—

Meter rates:

Minimum same as for lighting
8 cts. per kw-hr.
11 cts. charged for lighting and power together

Street lighting—

30 tungsten lamps. Rate, $26.00 a month
Burning schedule, moonlight

Cloquet (7,031)

Cloquet Electric Company

Method of generation, steam
Number of consumers, 700
Daily operating period, continuous
Total yearly current, 1,250,000 kw-hrs.

Commercial lighting—

Meter rates:

1 to 65 kw-hrs., 12 cts. per kw-hr.
65 to 180 kw-hrs., 10 cts. per kw-hr.

180 kw-hrs. and above, 8 cts. per kw-hr.
10% discount on bill if paid by 16th of following month

Commercial power—

Meter rates:

2 cts. per kw-hr.
Discount, same as above

Street lighting—

68 6.6-ampere enclosed arcs. Rate, $80.00 per annum per arc
13 32-c.p. incandescents. Rate, $15.00 per annum per lamp
Burning all night

Cold Spring (594)

St. Cloud Water Power Company

Method of generation, water power
Number of consumers, 50
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
First 100 kw-hrs., 11 cts. per kw-hr.
Next 100 kw-hrs., 10 cts. per kw-hr.
Next 100 kw-hrs., 9 cts. per kw-hr.
Next 100 kw-hrs., 8 cts. per kw-hr.
Over 400 kw-hrs., 7 cts. per kw-hr.
Discount, 1 ct. per kw-hr. if bill is paid in 10 days

Commercial power—

Meter rates:

Report reads: "Everyone pays 7 cts. per kw-hr. except the brewery, which gets current for 4 cts. per kw-hr."

Street lighting—

18 100-watt lights. Rate, $24.00 per annum per lamp
4 150-watt lights. Rate, $30.00 per annum per lamp
6 250-watt lights. Rate, $36.00 per annum per lamp
Burning schedule, 5:00 p.m. till 6:00 a.m.

Coleraine (1,613)

Western Mesaba Electric Company

Method of generation, steam
Number of consumers, 150
Daily operating period, sunset to sunrise

Commercial lighting—

Meter rates:

0 to 200 kw-hrs., 12 cts. per kw-hr.
200 to 500 kw-hrs., 10 cts. per kw-hr.
500 and more kw-hrs., 8 cts. per kw-hr.

Street lighting—

21 6.6-ampere arcs. Rate, $96.00 per annum per arc
30 ornamental posts, 5 lights each
9 100-watt lights. For the latter two, the city pays commercial rates
Burning schedule, darkness to daylight

Crookston (7,554)

Crookston Water Works, Power and Light Company

Method of generation, steam and water power
Yearly current generated, 2,000,000 kw-hrs.
Number of consumers, 1,200
Daily operating period, continuous

Commercial lighting—

Straight meter rates:

Minimum monthly bill, 25 cts. for residences and $1.00 for stores, offices, etc.
20 cts. per kw-hr.
25% discount if paid before the 10th of the month
"Readiness-to-serve" rate (for stores, saloons, etc.)
$1.00 consumer charge per month
$3.00 per month for each kilowatt (or fraction thereof) of demand
5 cts. per kw-hr. for all current consumed

Commercial power—

Meter rates:

Minimum monthly charge, $2.00 per h.p. up to 5 h.p. and $1.00 per h.p. for all over 5 h.p.

5 cts. per kw-hr. for motors up to 5 h.p.

4 cts. per kw-hr. for motors from 5 to 10 h.p.

3½ cts. per kw-hr. for motors from 10 to 15 h.p.

3 cts. per kw-hr. for motors from 15 to 25 h.p.

Special rates for over 25 h.p. The flour mill gets its current for 1 ct., using 200 h.p., 24 hours a day the whole year round

Street lighting—

122 arcs. City pays $91.25 and $76.65 per lamp per annum Burning schedule, all night.

Dassel (643)

Power Distribution Company

Method of generation, steam

Number of consumers, 85

Daily operating period, 5:00 a.m. to 1:00 a.m.

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

13 cts. per kw-hr.

Commercial power—

Meter rates:

7½ cts. per kw-hr.

Street lighting—

16 100-watt tungstens. City pays $2.00 per light per month

3 500-watt tungstens. City pays $5.00 per light per month

Burning on a moonlight schedule, till 12:30 a.m.

Deer River (900)

Everton Electric Light and Power Company

Method of generation, steam

Number of consumers, 100
Daily operating period, 1:00 p.m. to 7:00 a.m.

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.25
11 cts. per kw-hr.

Flat rates:

25 cts. per light per month

Street lighting—

13 arc lights. Rate, $9.00 per month per arc
Moonlight burning schedule

Deerwood (586)

Cuyuna Range Power Company

Method of generation, water power and steam
Number of consumers, 118
Daily operating period, continuous

Commercial lighting—

Meter rates:

Meter rental of 25 cts. monthly on all bills of less than $3.00
Minimum charge of 75 cts. for current, in addition to meter rental
First 50 kw-hrs., 12 cts. per kw-hr.
Next 100 kw-hrs., 10 cts. per kw-hr.
Over 150 kw-hrs., 8 cts. per kw-hr.
10% discount if paid on or before the 15th of the month

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. connected load
First 200 kw-hrs., 5 ct. per kw-hr.
Over 200 kw-hrs., 4 cts. per kw-hr.
10% discount if paid on or before the 15th of the month

Street lighting—

40 series mazdas, burning on moonlight schedule till midnight.
City pays 8 cts., company maintaining lamps

DELANO (1,031)

Municipal Plant

Method of generation, steam
Number of consumers, 175
Daily operating period, 10 hours

Commercial lighting—

12 cts. per kw-hr.
No power rates

Street lighting—

Data not given

DETROIT (2,807)

Municipal Plant

Method of generation, steam. Yearly generation, 191,082 kw-hrs.
Number of consumers, 458
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.25
First 200 kw-hrs., 9 cts. per kw-hr.
Next 100 kw-hrs., 8 cts. per kw-hr.
Next 100 kw-hrs., 7 cts. per kw-hr.
Over 400 kw-hrs., 5 cts. per kw-hr.

Flat rates:

1 16-c.p. lamp or its equivalent to 12 o'clock, 75 cts. per month; all night, $1.50; 24 hours, $3.00
10% added if bill is not paid by 10th of month following.

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. of installation or fraction thereof
First 52 kw.-hrs., 7½ cts. per kw-hr.
All above 52 kw-hrs., 2½ cts. per kw-hr.
Same penalty as above

Street lighting—

8 series 6.6-ampere arcs

65 ornamental posts, 5 lights each

125 80-watt incandescents. City pays regular commercial rates; lights burn all night, excepting posts in which four lights are turned out at 11:00 p.m.

Duluth (78,466)

Duluth Edison Electric Company

Current purchased from Great Northern Power Company, total of 13,000,000 kw-hrs. per annum

Number of consumers, 16,800

Daily operating period, continuous

Commercial lighting—

Meter rates:

No minimum charge

1 to 200 kw-hrs., 8 cts. per kw-hr. net

200 to 300 kw-hrs., 7.2 cts. per kw-hr. net

300 to 500 kw-hrs., 5.2 cts. per kw-hr. net

Over 500 kw-hrs., 4.8 cts. per kw-hr. net

Commercial power—

Meter rates:

1 h.p. or less, 6 cts. per kw-hr., min. charge, $2.50

1 h.p. to 5 h.p., 5 cts. per kw-hr., min. charge, $5.00

5 h.p. to 15 h.p., 4 cts. per kw. hr., min. charge, $1.00 per h.p.

Over 15 h.p., 3 cts. per kw-hr., min. charge, $1.00 per h.p.

Less 20% discount

Street lighting—

579 6.6-ampere G. E. open arcs. Rate, $49.00 per arc per annum

588 bunched incandescents. Rate, 3 bunches pay the same as 1 arc, $49.00 per annum

Burning schedule, all night and every night

East Grand Forks (2,533)

Municipal Plant

Method of generation, current purchased
Yearly current purchased, 345,632 kw-hrs. (1913)
Number of consumers, 321
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
8 cts. per kw-hr.
10% discount on bills of $20.00 and over
20% discount on bills of $50.00 and over

Commercial power—

Meter rates:

Same minimum as above
6 cts. per kw-hr. net

Street lighting—

243 mazdas. City pays 5 cts. per kw-hr.
Burning schedule, part of system all night, part on a moonlight schedule

Elbow Lake (776)

Municipal Plant

Method of generation, steam
Number of consumers, 125
Daily operating period, from 5:00 p.m. till midnight and from 5:30 to 8:00 a.m. in winter; and about 4 hours in the summer

Commercial lighting—

Meter rates:

12½ cts. per kw-hr.

Flat rates:

For 1 lamp, 75 cts.
For 2 lamps, $1.25
For 3 lamps, $1.65
For more than 3 lamps, a meter must be installed

Street lighting—

4 arcs
26 incandescents
No charge to municipality
Burning schedule is probably the same as the operating period

Ellsworth (536)

Municipal Plant

Method of generation, 50 h.p. oil engine
Number of consumers, 100
Daily operating period, continuous; engine runs 9 to 10 hours, and the balance of the time storage batteries provide current

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
15 cts. per kw-hr.
5% discount if paid before the 5th of following month

Commercial power—

Meter rates:

Minimum monthly bill, $2.00
10 cts. per kw-hr.
Discount same as above

Street lighting—

26 bracket lights, 100-watt incandescent
4 suspension lights, 250-watt incandescent
City charged $75.00 a month
Operations commenced about Dec. 1, 1913

Eveleth (7,036)

Home Electric and Heating Company

Method of generation, steam
Yearly generation, 635,766 kw-hrs.
Number of consumers, 955
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
1 to 50 kw-hrs., 12 cts. per kw-hr.
50 to 100 kw-hrs., 10 cts. per kw-hr.
100 to 300 kw-hrs., 8 cts per kw-hr.
300 to 500 kw-hrs., 7.2 cts. per kw-hr.
500 to 1,000 kw-hrs., 6¾ cts. per kw-hr.
1,000 and more kw-hrs., 6 cts. per kw-hr.
Discount of 10% if bills are paid by the 25th of the month

Commercial power—

Meter rates:

Minimum monthly bill, $1.50 per h.p.
1 to 200 kw-hrs., 8 cts. per kw-hr.
200 to 500 kw-hrs., 7 cts. per kw-hr.
500 to 1,000 kw-hrs., 6 cts. per kw-hr.
1,000 kw-hrs. and more, 5 cts. per kw-hr.
Discount, same as above

Street lighting—

79 500-watt mazdas. City pays $120.00 for the first 40, $96.00 for all over 40
Burning schedule, all night

Excelsior (1,015)

Northern Power Company

Current purchased from the Minneapolis General Electric Company
Number of consumers, 115 (February 1, 1914); about 300 in the summer
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
For service for more than 8 months a year:
15 cts. per kw-hr. for the first 30 kw-hrs. per month
8 cts. per kw-hr. for all over that

For service from 6 to 8 months a year:
16 cts. per kw-hr. for the first 30 kw-hrs. per month
10 cts. per kw-hr. for all over that
For service from 4 to 6 months a year:
18 cts. per kw-hr. for the first 30 kw-hrs. per month
12 cts. per kw-hr. for all over that
For service for less than 4 months a year:
20 cts. per kw-hr. for the first 30 kw-hrs. per month
14 cts. per kw-hr. for all over that

Commercial power—

Meter rates:
Minimum monthly bill, $2.50 per h.p.
10 cts. per kw-hr. for the first 40 kw-hrs.
7 cts. per kw-hr. for all over that

Street lighting—

25 arc lights. City pays $140.83 per month.
Burning schedule, from darkness till 1:00 a.m.

Fairfax (815)

Municipal Distributing System

Power furnished by Crescent Milling Company
Method of generation, steam and gasoline
Number of consumers, 154
Daily operating period, continuous

Commercial lighting—

Meter rates:
15 cts. per kw-hr.

Commercial power—

Meter rates:
12 cts. per kw-hr.

Street lighting—

60 mazda lamps burning on a moonlight schedule. Rate, $80.00 per month

Fairmont (2,958)

Municipal Plant

Method of generation, producer gas
Yearly current generated, about 650,000 kw-hrs.
Number of consumers, 600
Daily operating period, continuous

Commercial lighting—

Meter rates:

12 cts. per kw-hr.; expect to cut in a few months to 10 cts per kw-hr.

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
8 cts. per kw-hr. down to 4 cts. per kw-hr.

Street lighting—

94 lights, part arcs and part incandescents. City pays $72.00 per annum for each arc, and $18.00 per annum for each incandescent
Burning all night

Faribault (9,001)

Consumers Power Company

Method of generation, combined hydraulic and steam
Yearly total of about 1,000,000 kw-hrs.
Number of consumers, 1,200
Daily operating period, continuous

Commercial lighting and power—

A minimum monthly service charge of $1.00 net will be made for each meter installed, to lighting consumers, and for each horse power connected to power consumers.

A reconnecting charge of $1.00 net will be made for each and every meter reset when meter is taken out by reason of consumer becoming delinquent.

LIGHTING RATES (METER RATES)

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
First 100	10.0	9.0	8.0
Next 100	9.0	7.0	6.0
Next 300	7.0	6.0	5.0
Next 500	6.0	5.0	4.5
Next 1,000	5.0	4.0	4.0
Next 1,000	4.0	3.5	3.5
Next 1,000	3.5	3.4	3.4
Next 1,000	3.4	3.3	3.3
Next 1,000	3.3	3.2	3.2
Next 1,000	3.2	3.1	3.1
Next 1,000	3.1	3.0	3.0
Next 1,000	3.0	2.9	2.9
Next 1,000	2.9	2.8	2.8

Above rate also applies to power installations of less than one horse power.

POWER RATES (METER RATES)

Kw-hrs.	Schedule D Cts. per Kw-hr.	Schedule E Cts. per Kw-hr.
First 100	5.5	4.5
Next 400	5.0	4.0
Next 500	4.0	3.5
Next 1,000	3.5	3.2
Next 3,000	3.4	3.1
Next 5,000	3.3	3.0
Next 5,000	3.2	2.9
Next 10,000	3.1	2.8
Next 10,000	3.0	2.7
Next 15,000	2.9	2.6

Above rate applies to installations of one horse power and over.

Schedule A applies to residence consumers and consumers whose use of capacity installed is less than 3 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule B does not apply to residence lighting but applies to consumers whose use of the capacity installed is 3 kw-hrs. and less than 5 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule C does not apply to residence lighting but applies to consumers whose use of the capacity installed is 5 kw-hrs. and over per 50-watt lamp or equivalent per month.

Schedule D applies to consumers whose use of the capacity installed is less than 25 kw-hrs. per month per horse power.

Schedule E applies to consumers whose use of the capacity installed is 25 kw-hrs. or more per month per horse power.

The above lighting and power rates are subject to a discount of 10 per cent if bills are paid at the office of the company on or before 10 days from the date of rendering thereof. If not paid on or before 10 days from the date of rendering of bills, no discount will be allowed, and the service will be discontinued without further notice on or after 15 days from the rendering of the bill at the option of the company.

Street lighting—

100 arc lights. Rate, $65.00 per annum

92 incandescents. Rate, 85 cts. per month

148 curb light posts with 3 incandescents to the post. Rate, $34.00 per annum per post

Burning schedule:

Incandescents all night

Arcs all night except when moonlight

Curb light posts, all three incandescents till midnight, after midnight one lamp to each post, until dawn

Farmington (1,024)

Farmington Electric Light and Power Company

Method of generation, producer gas engine

Daily operating period, sundown till midnight

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

15 cts. per kw-hr.

Commercial power—

Meter rates:

Same minimum as above

10 cts. per kw-hr.

Street lighting—

32 40-watt lamps

4 arc lights. City pays $76.60 a month

Burning schedule, probably about the same as the operating period

Fergus Falls (6,877)

Municipal Plant

Current purchased from Otter Tail Power Company, Fergus Falls

Total of 483,425 kw-hrs. per annum

Number of consumers, 1,000

Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 25 cts.

7½ cts. per kw-hr.

Street lighting—

56 Westinghouse metalics. Rate, 5 cts. per kw-hr.

Burning schedule, all night

Fosston (1,075)

Municipal Plant

Method of generation, steam

Number of consumers, 200

Daily operating period, continuous

Commercial lighting—

Meter rates:

15 cts. per kw-hr.

Flat rates:

60 cts. per month for 16-c.p. lamp

45 cts. per month for 8-c.p. lamp

Commercial power—

Meter rates:

15 cts. per kw-hr. to all consumers except 1

7 cts. per kw-hr. is charged for electricity used by 25-h.p. motor

Street lighting—

45 32-c.p. incandescents

4 arc lamps

No charge to municipality

Burning schedule, 6:00 p.m. to 2:00 a.m.

Frazee (1,645)

Nichols Chisholm Lumber Company

Method of generation, steam

Daily operating period, continuous

Commercial lighting—

No information given

Street lighting—

126 tungstens. "City pays 75 cts. per light flat rate"

Fulda (743)

Fulda Light and Power Company

Method of generation, steam

Number of consumers, 130

Daily operating period, 18 hours a day

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

15 cts. per kw-hr. net

Flat rate:

$1.25 per month for 40-watt lamp

Commercial power—

Meter rates:

Minimum monthly bill, 50 cts. per h.p.

First 50 kw-hrs., 8 cts. per kw-hr. net
Next 50 kw-hrs., 7 cts. per kw-hr. net
Next 50 kw-hrs., 6 cts. per kw-hr. net
Next 50 kw-hrs., 5 cts. per kw-hr. net
Next 100 kw-hrs., 4 cts. per kw-hr. net
Next 200 kw-hrs., 3 cts. per kw-hr. net
Next 500 kw-hrs., 2½ cts. per kw-hr. net
Over 1,000 kw-hrs., 2 cts. per kw-hr. net

Street lighting—

14 arc lamps
20 60-watt mazdas. City pays $100.00 a month
Burning schedule, from sundown to midnight

Gaylord (610)

Municipal Plant

Method of generation, steam
Number of consumers, 105
Daily operating period, 6 hours a day

Commercial lighting—

Meter rates:

Minimum monthly bill, 50 cts.
12 cts. per kw-hr.
10% discount for payments on or before the 10th of the following month

Flat rates:

50 cts. per lamp monthly

Street lighting—

8 A. B. arcs and 22 40-watt mazdas
Burning 3½ hours each night

Glencoe (1,788)

Northwest Light and Power Company

Method of generation, steam. (Generator at Hutchinson with auxiliary plant at Glencoe)
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill, $1.00 from October 1 to March 31; 90 cts. from April 1 to September 30

12½ cts. per kw-hr., subject to the following discounts if bills are paid before the 10th of the month:

Bills up to $2.50, net
Bills above $2.50 to $5.00 per month, 5% discount
Bills above $5.00 to $7.50 per month, 10% discount
Bills above $7.50 to $10.00 per month, 15% discount
Bills above $10.00 per month, 20% discount

Street lighting—

5 500-c.p. arcs. Rate is $6.00 per arc
94 32-c.p. incandescents. Rate is $1.25 per lamp
Burning schedule, dusk to daylight

Glenwood (2,161)

Glenwood Electric Light, Heat and Power Company

Method of generation, steam
Company has just started
Rates are determined by franchise, as follows:
(The company may make lower rates)

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
First 30 kw-hrs., 12½ cts. per kw-hr.
Next 30 kw-hrs., 11 cts. per kw-hr.
All over 60 kw-hrs., 10 cts. per kw-hr.

Flat rates:

50 cts. per month per 16-c.p. lamp or its equivalent
Meter rental, 15 cts. monthly except in June and July 25 cts.
Discount, 10% if bills are paid within 10 days

Commercial power—

Meter rates:

Minimum monthly bill, $2.00 per h.p.

"The maximum rate for power per h.p. shall never exceed 9 cts. per kw-hr., and on a sliding scale down to 6 cts. per kw-hr."

Discount same as above

Street lighting—

City to secure current at 10 cts. per kw-hr. with a 10% discount same as above.

Graceville (987)

Otter Tail Power Company

Method of generation, water power at Fergus Falls
Current used at Graceville, about 75,000 kw-hrs. yearly
Number of consumers, 141
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.11
12 cts. per kw-hr. for first 32 hours' use of active lights
6 cts. per kw-hr. for next 64 hours' use of active lights
3 cts. per kw-hr. for balance, where cooking appliances are used

Discount, 10%; discount applies also to minimum bill

Commercial power—

Meter rates:

Minimum monthly bill, $1.11 for 1 h.p. installation
$2.00 for 2 h.p. installation
$2.25 for 3 h.p. installation
$2.50 for 5 h.p. installation
50 cts. per h.p. for over 5 h.p. installation
10 cts. per kw-hr. for first 25 hours of maximum demand
5 cts. per kw-hr. for next 50 hours of maximum demand
3 cts. per kw-hr. for balance

All charges, including minimums, subject to 10% discount as in commercial lighting

Street lighting—

5 500-watt mazdas. Rate, $8.00 per month

2 250-watt mazdas. Rate, $4.00 per month
19 100-watt mazdas. Rate, $1.60 per month
21 60-watt mazdas. Rate, $1.20 per month
Burning schedule, the 500-watt lamps burn all night; others on Philadelphia moonlight schedule

Grand Meadow (552)

Southern Minnesota Power Company

Method of generation, steam. (Plant in operation since the beginning of the year)
Number of consumers, 50
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
13 cts. per kw-hr.
Discount 1 ct. per kw-hr. on bill paid within 10 days

Commercial power—

Meter rates:

Minimum monthly bill, "75 cts. for connected load"
7 cts. per kw-hr. "downward" for all motors in excess of 5 h.p.

Street lighting—

12 ornamental 5-light standards
18 center suspended street lights
City pays $54.00 per month
Burning schedule till midnight

Harris (673)

Eastern Minnesota Power Company

Current purchased from Pine City
Number of consumers, 30
Daily operating period, continuous except Sunday from 9:00 a.m. to 3:00 p.m.

Commercial lighting—

Meter rates:

First 30 kw-hrs., 10 cts. per kw-hr.
Next 20 kw-hrs., 8 cts. per kw-hr.
Next 50 kw-hrs., 7 cts. per kw-hr.
Next 300 kw-hrs., 6 cts. per kw-hr.
All over 400 kw-hrs., 5 cts. per kw-hr.

Street lighting—

6 corner poles; $2.00 per light per month
Burning schedule, 5:00 p.m. till 7:00 a.m.

Hastings (3,983)

Hastings Electric Light and Water Power Company

Method of generation, part water power, balance purchased
Daily operating period, continuous

Commercial lighting—

Meter rate:

Minimum bill, 50 cts. per month
15 cts. per kw-hr. with the following discounts:
10% on bills up to $4.00 per month
15% on bills in excess of $4.00 per month
20% on bills in excess of $7.00 per month
25% on bills in excess of $10.00 per month

Commercial power—

7½ cts. per kw-hr.

Street lighting—

45 500-watt tungstens, for which the city pays $5.00 per light
Burning schedule, darkness till 1:00 a.m.

Hawley (800)

Municipal Plant

Method of generation, gas engine
Number of consumers, 170
Daily operating period, sunset to 12:30 and from 5:00 a.m. to 8:00 a.m.

Commercial lighting—
No report given
Street lighting—
36 100-watt tungstens
Burning on a moonlight schedule

Henning (603)

Cordes Brothers

Method of generation, gasoline
Commercial lighting—
No report given
Street lighting—
18 100-watt tungstens. City pays $65.00 per month
Burning schedule, dark till midnight

Hinckley (673)

Hinckley Electric Company, Cloquet, Minn.

Current purchased from Sandstone
Number of consumers, 90
Daily operating period, continuous except at noon hour and on Sundays
Commercial lighting—
Meter rates:
First 30 kw-hrs., 10 cts. per kw-hr.
Next 20 kw-hrs., 8 cts. per kw-hr.
Next 50 kw-hrs., 7 cts. per kw-hr.
Next 300 kw-hrs., 6 cts. per kw-hr.
Over 400 kw-hrs., 5 cts. per kw-hr.
Commercial power—
Meter rates:
Same as lighting rates, for up to 5 h.p.
For over 5 h.p., special rates are made
Street lighting—
8 cluster lights, 3 60-watt mazdas each
16 single 60-watt mazdas. City pays $7.20 per annum per light
Burning schedule, all night

Howard Lake (626)

Power Distribution Company

Method of generation, steam
Number of consumers, 80
Daily operating period, dusk to midnight and 5:00 a.m. to daylight

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
12 cts. per kw-hr.

Commercial power—

7½ cts. per kw-hr.
The city buys current at 4 cts. per kw-hr. for pumping, amounting to about 300 kw-hrs. a month

Street lighting—

18 100-watt tungstens. City pays $2.00 per light per month
5 500-watt tungstens. City pays $5.00 per light per month and the total is computed at $60.00 per month

Hutchinson (2,368)

Hutchinson Lighting and Manufacturing Company

Method of generation, steam

Commercial lighting—

Meter rates:

12½ cts. per kw-hr. with discounts varying with amounts used

International Falls (1,487)

Minnesota and Ontario Power Company

Method of generation, water power
Number of consumers, 1,000
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.25
First 60 kw-hrs., 10 cts. per kw-hr.
Next 120 kw-hrs., 9 cts. per kw-hr.
Next 540 kw-hrs., 7½ cts. per kw-hr.
Over 720 kw-hrs., 6 cts. per kw-hr.

Commercial power—

Meter rates:

6 cts. per kw-hr.

Street lighting—

37 inverted luminous arcs. City pays 5 cts. per kw-hr.
Burning schedule, about 12 hours daily

Jackson (1,907)

Municipal Plant

Method of generation, steam; water power plant after May 14, 1914
Number of consumers, 319
Daily operating period, continuous

Commercial lighting—

Meter rates:

Meter rental, 25 cts. a month
10 cts. per kw-hr. with discounts as follows:
On monthly bills over 200 kw-hrs., 10%
On monthly bills over 300 kw-hrs., 20%
On monthly bills over 400 kw-hrs., 30%
On monthly bills over 550 kw-hrs., 35%
On monthly bills over 750 kw-hrs., 40%
On monthly bills over 1,750 kw-hrs., 45%
On monthly bills over 3,750 kw-hrs., 50%

Flat rates:

Arc lights burning till 10:00 p. m., $5.00 a month each

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.

Meter rental same as above
10 cts. per kw-hr. with discounts as follows on monthly bills:
From $4.00 to $5.99, 10%
From $6.00 to $7.99, 15%
From $8.00 to $9.99, 20%
From $10.00 to $14.99, 25%
From $15.00 to $19.99, 30%
From $20.00 to $29.99, 35%
From $30.00 to $39.99, 40%
From $40.00 to $49.99, 45%
From $50.00 or over, 50%

Street lighting—
13 arcs. Rate, $5.00 a month for each arc
76 pole lights. Rate, $1.00 a month for each light
Burning schedule, from a half hour after sundown till 11:30 p.m.

Janesville (1,173)

Consumers Power Company

Method of generation, water power and steam
Number of consumers, 205
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00
10 cts. per kw-hr.
10% discount for prompt payment

Commercial power—
Meter rates:
Minimum monthly bill, $1.00 per h.p. installation
5 cts. per kw-hr.
10% discount for prompt payment

Street lighting—
76 incandescents. Rate, $16.50 per annum per lamp
Burn from dusk till midnight

Jordan (1,151)

Jordan Electric Light and Heating Company

Method of generation, steam
Yearly product, 68,035 kw-hrs.
Number of consumers, 152
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
12½ cts. per kw-hr., maximum charge
Discounts as follows:
On bills of $5.00, 5%
On bills of $6.00, 6%
On bills of $7.00, 7%. The same progression of discounts continuing up to 20% for bills of $20.00 and all over that get 20% discount

Flat rates:

Allowed only on one light, 65 cts. per month

Commercial power—

Meter rates:

If 75 kw-hrs. or less are used per kw. connected, the rate is 12½ cts. per kw-hr.
For 76 to 90 kw-hrs., per kw. connected, the rate is 11 cts. per kw-hr.
For 91 to 150 kw-hrs., per kw. connected, the rate is 10 cts. per kw-hr.
For more than 150 kw-hrs., per kw. connected, the rate is 9 cts. per kw-hr.

Discounts as follows:

Bills of $5.00 or over, 5%
Bills of $6.00 or over, 6%, and so on, the same as in the lighting discounts

Street lighting—

15 enclosed arcs
14 100-watt mazda lamps. City pays $95.00 a month
Burning schedule, moonlight till 1:00 a.m.

Kasota (700)

St. Peter Municipal Plant

Method of generation, steam. Current from St. Peter
Number of consumers, 65
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
Meter rent, 10 cts. per month
13 cts. per kw-hr.
Discount 10%, if bill is paid before 10th of following month

Commercial power—

Meter rates:

The Consumers Power Company sells power on special contracts to two stone mills and one elevator. Current from Rapidan

Street lighting—

50 60-watt mazdas. City pays 7 cts. per kw-hr.

Kasson (932)

Municipal Plant

Method of generation, steam
Yearly current generated, 40,000 kw-hrs.
Number of consumers, 200
Daily operating period, "shut down at midnight in summer and run all night from about October 1 to April 1"

Commercial lighting—

Meter rates:

Minimum monthly bill, 50 cts; meter rental, 20 cts.
10 cts. per kw-hr.

Street lighting—

3 enclosed arcs. Rate, $60.00 per annum per arc
2 400-watt tungsten arcs
"The rest are 40-watt tungsten incandescents. Rate, $7.20 per annum per light"
Lights burn on Philadelphia moonlight schedule, till midnight

Kenyon (1,237)

Kenyon Electric Company

Method of generation, steam
Number of consumers, 150
Daily operating period, 18 hours

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
12 cts. per kw-hr.

Flat rates:

50 cts. per lamp per month

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
5 cts. per kw-hr.

Street lighting—

5 arc lights. Rate, $6.25 per arc per month
31 40-watt lights. Rate, $1.00 per light per month
Lights burn till midnight

Lake City (3,142)

Municipal Plant

Method of generation, steam
Yearly generation, 245,000 kw-hrs.
Number of consumers, 416
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill, 75 cts.; meter rental, 5- and 10-ampere capacity, 30 cts.; 15- to 25-ampere capacity, 50 cts.
For light and power up to 1 h.p., 12½ cts. per kw-hr.
For power of 1 h.p. or greater, 10 cts. per kw-hr. (To get this rate a special meter must be installed)
Discounts as follows if paid by 20th of following month:

For lighting rates:
20%, up to 100 kw-hrs.
25%, 100 to 200 kw-hrs.
30%, over 200 kw-hrs.

If current is used for power only, on the day load, the following discounts apply:
35% for from 500 kw-hrs. to 600 kw-hrs.
40% for from 600 kw-hrs. to 700 kw-hrs.
45% for from 700 kw-hrs. to 800 kw-hrs.
50% on all over 800 kw-hrs.

Street lighting—
57 A. B. enclosed arcs. Rate, $5.00 per arc per month
24 mazdas
Burning on a moonlight schedule; city hall, parks, lock-up, and harbor lights free

Lake Crystal (1,055)

Consumers Power Company

Method of generation, water power and steam
Daily operating period, continuous

Commercial lighting—
Meter rates:
Monthly minimum bill, $1.00
10 cts. per kw-hr.

Street lighting—
67 30-c.p. lamps. City pays $1.00 per month per light

Lakefield (924)

Municipal Plant

Method of generation, steam
Number of consumers, 190
Daily operating period, dusk to midnight

Commercial lighting—
Meter rates:
12½ cts. per kw-hr. for the first 50 kw-hrs.
10 cts. per kw-hr. for all over 50 kw-hrs.

Street lighting—
8 arc lights
42 goosenecks

Lanesboro (987)

Municipal Plant

Method of generation, water power
Number of consumers, 180
Daily operating period, continuous

Commercial lighting and power—
Meter rates:
Minimum monthly bill, 50 cts.
8 cts. per kw-hr.
Flat rates:
30 cts. a month per lamp of less than 40 watts
40 cts. a month per lamp of 40 to 60 watts

Street lighting—
85 lights: 16-c.p. and 40-watt tungstens
Burning schedule, about 9 hours

Le Sueur Center (741)

Continental Utilities Company of Delaware

Method of generation, gas engine
Number of consumers, about 100
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00
First 10 kw-hrs., 16 cts. per kw-hr.
Over this amount, 12 cts. per kw-hr.
10% discount if paid before the 10th of the month

Commercial power—
Meter rates:
Minimum monthly bill, $1.50

Up to and including 3 h.p. connected load, a discount of 25% is made from the commercial lighting rate. From 3 h.p. to 6 h.p. connected load, a discount of 33⅓% from the commercial lighting rate

10% discount on entire bill if paid before the 10th of the month

Flat rates:

The city pays $67.00 a month flat rate for pumping

Street lighting—

18 80-watt tungsten lamps. Rate, $108.00 a month

Burning schedule, dusk until midnight; 5 lights in the business district burn all night

LINDSTROM (522)

St. Croix Falls Minnesota Improvement Company

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

11 cts. per kw-hr.

Street lighting—

27 lights. $17.50 per annum per light

Burning schedule, 10 hours

LITCHFIELD (2,333)

Municipal Plant

Method of generation, steam

Yearly generation, 250,000 kw-hrs.

Number of consumers, 500

Daily operating period, continuous except Sunday

Commercial lighting—

Meter rates:

Minimum monthly bill, 60 cts.

11 cts. per kw-hr. for maximum demand for 2 hours per day of connected load

8 cts. per kw-hr. for all over this amount

10% discount if bills are paid within 10 days

Commercial power—

Meter rates:

Installations of under 2 h.p. take lighting rate

On installations of over 2 h.p., rate is 8 cts. per kw-hr. until an amount equal to $1.00 per h.p. installed per month has been used

7 cts. per kw-hr. for the next equal amount

6 cts. per kw-hr. for the next equal amount

2 cts. per kw-hr. for all current used above $3.00 per h.p. per month

Street lighting—

26 ornamental 5-light posts. Rate, $30.00 per annum per post

120 80-c.p. street series lamps. Rate, $15.00 per annum per lamp

Series lamps until midnight

Little Falls (6,078)

Little Falls Water Power Company

Method of generation, water power

Yearly current generated, 3,427,010 kw-hrs.

Number of consumers, 990

Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

5 cts. per kw-hr. net with additional 10 cts. per connected outlet per month

30 cts. per 16-c.p. lamp per month

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. connected load

3 cts. per kw-hr.

Street lighting—

90 5-light ornamental standards, 4 40-watt lamps and 1 60-watt lamp each. City pays $3.50 per month per standard

86 100-watt lamps. City pays $2.00 per month per lamp

Burning schedule, all night, except the 4 lower lights on the standards, which burn to 1:00 a.m.

Long Prairie (1,250)

Municipal Plant

Method of generation, steam
Number of consumers, 145
Daily operating period, continuous

Commercial lighting—

Meter rates:
Minimum monthly bill, $1.00
First 5 kw-hrs., 16 cts. per kw-hr.
Next 10 kw-hrs., 14 cts. per kw-hr.
Next 30 kw-hrs., 12 cts. per kw-hr.
All over 45 kw-hrs., 10 cts. per kw-hr.

Commercial power—

Meter rates:
Minimum monthly bill, $1.00
First 300 kw-hrs., 10 cts. per kw-hr.
Next 300 kw-hrs., 8 cts. per kw-hr.
Next 200 kw-hrs., 7 cts. per kw-hr.
All over 800 kw-hrs., 6 cts. per kw-hr.

Street lighting—
40 4-light clusters, hanging incandescents
22 incandescents
City pays $96.00 a month
Burning schedule, moonlight

Luverne (2,540)

Municipal Plant

Method of generation, steam
Number of consumers, 520
Daily operating period, continuous

Commercial lighting—

Meter rates:
First 20 kw-hrs., 10 cts. per kw-hr.

Second 30 kw-hrs., 8 cts. per kw-hr.
All over 50 kw-hrs., 7 cts. per kw-hr.

Commercial power—

Meter rates:

First 30 kw-hrs., 7 cts. per kw-hr.
Second 30 kw-hrs., 6 cts. per kw-hr.
All over 60 kw-hrs., 5 cts. per kw-hr.

Street lighting—

25 arcs, 6.6-ampere
No charge to municipality
Burning schedule, moonlight and half the night

Lyle (552)

Lyle Electric Light Company

Method of generation, steam
Number of consumers, 200
Daily operating period, dusk till 11:30 p.m.

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.25
15 cts. per kw-hr.

Flat rates:

50 cts. per lamp per month

Street lighting—

13 250-c.p. mazdas
5 60-c.p. mazdas
City pays $50.00 per month
Lights burn till 11:30 p.m.

McIntosh (634)

Anton Jensen, Owner of Plant

Method of generation, producer gas engine
Daily operating period, "we do not run between 1:00 and 5:30 a.m."

Commercial lighting—

Meter rates:

15 cts. per kw-hr.

Flat rates:

Report says, "I do not believe I can give you any intelligent information on this, as there are so many types of lamps used, and various uses, some burning longer than others"

Street lighting—

147 lamps in a White Way, 3 lamps to a post. City pays $1.40 for each post

Burning on a moonlight schedule

Madelia (1,273)

Madelia Electric Company

Current purchased from Rapidan

Daily operating period, continuous

Commercial lighting—

Meter rates:

10 cts. per kw-hr.

10% discount if paid before 10th of month following

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. installed capacity

5 cts. per kw-hr.

Street lighting—

65 100-watt tungstens. $24.00 per annum per light

Burning schedule, all night

Madison (1,811)

Municipal Plant

Method of generation, steam

Yearly generation, 239,266 kw-hrs.
Number of consumers, 400
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
12½ cts. per kw-hr., primary rate
10 cts. per kw-hr., secondary rate
10% penalty if bill is not paid by 25th of following month

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
8 cts. per kw-hr.

Street lighting—

40 5-light ornamental posts, 4 60-watt and 1 100-watt lamps to each post. $50.00 per post per annum
75 5.5-ampere series "Pakard," 8 cts. per kw-hr.
Burning schedule, series lights all night except when bright moonlight; posts, top light all night, others till 11:00 p.m.

Mahnomen (796)

Municipal Plant

Method of generation, steam
Number of consumers, 110
Daily operating period, dusk to daylight from November to April inclusive, and from dusk to 1:30 a.m. the remainder of the year

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
Meter rental, 25 cts.
12 cts. per kw-hr.

Flat rates:

Residence lights:

25-watt lamp, 40 cts.
40-watt lamp, 50 cts.

60-watt lamp, 60 cts.
100-watt lamp, 75 cts.

Commercial lights:
25-watt lamp, 60 cts.
40-watt lamp, 75 cts.
60-watt lamp, $1.12

Street lighting—

30 incandescents, 60- and 100-watt mazdas
City pays $60.00 a month
Burning schedule, dusk to 1:00 a.m. "and moonlight"

Mankato (10,365)

Consumers Power Company

Method of generation, steam and hydraulic
Yearly current generated, 2,791,230 kw-hrs., year ending Dec. 31, 1913
Number of consumers, 1,689
Daily operating period, continuous

Commercial light and power—

LIGHTING RATES (METER RATES)

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
First 100	10.0	9.0	8.0
Next 100	9.0	7.0	6.0
Next 300	7.0	6.0	5.0
Next 500	6.0	5.0	4.5
Next 1,000	5.0	4.0	4.0
Next 1,000	4.0	3.5	3.5
Next 1,000	3.5	3.4	3.4
Next 1,000	3.4	3.3	3.3
Next 1,000	3.3	3.2	3.2
Next 1,000	3.2	3.1	3.1
Next 1,000	3.1	3.0	3.0
Next 1,000	3.0	2.9	2.9
Next 1,000	2.9	2.8	2.8

Above rate also applies to power installations of less than one horse power.

Schedule A applies to residence consumers and consumers whose use of the capacity installed is less than 3 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule B applies to consumers whose use of the capacity installed is 3 kw-hrs. and less than 5 kw-hrs. per 50-watt lamp or equivalent thereof per month, but does not apply to resident lighting.

Schedule C does not apply to residence lighting but applies to consumers whose use of the capacity installed is 5 kw-hrs. and over per 50-watt lamp or equivalent per month.

Discount, 10% if paid within 10 days

Minimum, $1.00 per month per meter

POWER RATES (METER RATES)

Minimum charge, $1.00 per month per horse power installed

Kw-hrs.	Schedule D Cts. per Kw-hr.	Schedule E Cts. per Kw-hr.
First 100	5.5	4.5
Next 400	5.0	4.0
Next 500	4.0	3.5
Next 1,000	3.5	3.2
Next 3,000	3.4	3.1
Next 5,000	3.3	3.0
Next 5,000	3.2	2.9
Next 10,000	3.1	2.8
Next 10,000	3.0	2.7
Next 15,000	2.9	2.6

Above rate applies to installations of one horse power and over.

Schedule D applies to consumers whose use of the capacity installed is less than 25 kw-hrs. per month per horse power.

Schedule E applies to consumers whose use of the capacity installed is 25 kw-hrs. or more per month per horse power.

Quantity discount: When the gross bills at Schedules D and E exceed:

$100.00 per month, 10% discount will be allowed
$200.00 per month, 15% discount will be allowed
$300.00 per month, 20% discount will be allowed
$500.00 per month, 25% discount will be allowed

Cash discount, 10% if paid within 10 days

Street lighting—

168 7½-ampere G. E. enclosed arcs (includes North Mankato)
City pays $65.00 net per arc per year
Burning schedule, moonlight

Mapleton (809)

Mapleton Electric Light Company

Method of generation, steam
Number of consumers, 90
Daily operating period, from shortly before sunset till midnight

Commercial lighting—

Meter rates:

12½ cts. per kw-hr.

Flat rates:

60 cts. per 40-watt lamps

Street lighting—

38 60-watt mazdas; 12 burn on a moonlight schedule, 26 from dark till midnight. City pays $50.00 per month

Marble (887)

Municipal Distributing System

Current purchased from Oliver Iron Mining Company at 6 cts. per kw-hr.
Number of consumers, 45
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

No minimum charge
10 cts. per kw-hr.
10% discount on bills paid before the 10th of the month

Street lighting—

18 standards, 5 60-watt mazdas to the standard. City pays regular rate of 6 cts. per kw-hr.
Burning schedule, dusk to daylight

MARSHALL (2,152)

Municipal Plant

Method of generation, steam
Total yearly generation, 231,781 kw-hrs.
Number of consumers, 300
Daily operating period, continuous

Commercial lighting—

Meter rates:
Minimum monthly bill, 50 cts.
12 cts. per kw-hr.
10% discount if 50 kw-hrs. are used
20% discount if 100 kw-hrs. are used

Commercial power—

Meter rates:
Minimum monthly bill:
1 to 10 h.p. installation, 60 cts. per h.p.
10 to 20 h.p. installation, 50 cts. per h.p.
20 to 30 h.p. installation, 40 cts. per h.p.
30 to 40 h.p. installation, 30 cts. per h.p.
6 cts. per kw-hr.
No discount

Street lighting—

31 6.6-ampere enclosed arcs
12 100-watt series tungsten lamps
28 ornamental posts, 5 lights each, 1 60-watt lamp and 4 40-watt lamps
Lights burn all night except ornamental posts, which burn till 10:00 p.m. and then the top light burns till dawn
Plant credited with $2,666.00 last fiscal year for street lighting

MELROSE (2,591)

Municipal Plant

Method of generation, steam
Number of consumers, 400
Daily operating period, 18 hours, except Sunday and then, 12 hours

Commercial lighting—

Meter rates:

First 30 kw-hrs., 10 cts. per kw-hr.
Above 30 kw-hrs., 8 cts. per kw-hr.
Great Northern Ry. pays:
12½ cts. per kw-hr. for the first 100 kw-hrs.
10 cts. per kw-hr. for the next 100 kw-hrs.
6 cts. per kw-hr. for all above 200 kw-hrs.

Flat rates:

Hotel is charged $25.00 per month
25 cts. to 50 cts. per lamp per month, depending on size

Commercial power—

Meter rates:

8 cts. per kw-hr. for the first 100 kw-hrs.
6 cts. per kw-hr. for all over 100 kw-hrs.

Street lighting—

7 250-watt tungstens
70 80-watt carbons
Burn all night

Milaca (1,102)

Municipal Plant

Method of generation, steam
Number of consumers, 116
Daily operating period, 6:00 a.m. to midnight

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.
12½ cts. per kw-hr.

Flat rates:

75 cts. per light per month

Commercial power—

Meter rates:

10 cts. per kw-hr. (Reduction from this rate is being considered)

Street lighting—
4 5-ampere arc lights
56 120-watt lamps. City pays $1,300.00 per annum
Burning schedule, moonlight

Minneapolis (301,408)

Minneapolis General Electric Company

Method of generation, water power with large reserve steam plant
Yearly generation, 90,835,808 kw-hrs.
Number of consumers, 25,893
Daily operating period, continuous

Residential lighting rate—
Meter rates:
Minimum monthly bill, $1.00
9 cts. per kw-hr. for the first 3 kw-hrs. per room per month
6 cts. per kw-hr. for additional current
Discount, 5% if paid within discount period

General lighting rate—
Meter rates:
Minimum monthly bill, $1.00
8 cts. per kw-hr. for the first 100 kw-hrs. per month
7½ cts. per kw-hr. for the next 100 kw-hrs. per month
6½ cts. per kw-hr. for the next 100 kw-hrs. per month
5 cts. per kw-hr. for the next 300 kw-hrs. per month
4½ cts. per kw-hr. for all over 600 kw-hrs. per month
Discount, 5% if paid within discount period

Retail power rate—
Meter rates:
Minimum monthly bill, $1.00 per month per h.p. for the first 10 h.p. of rated capacity of motors connected
75 cts. per month per h.p. for the next 20 h.p. of rated capacity of motors connected
50 cts. per month per h.p. in excess of 30 h.p. of rated capacity of motors connected
6 cts. per kw-hr. for the first 52 hours' use per month of maximum demand
2½ cts. per kw-hr. for all in excess

Quantity discount:

(Applicable to this schedule only)

5% on all bills between $50.00 and $100.00 per month
10% on all bills between $100.00 and $150.00 per month
15% on all bills between $150.00 and $200.00 per month
20% on all bills between $200.00 and $250.00 per month
25% on all bills over $250.00 per month

Note:

Demands taken monthly
Discount, 5% if bill is paid within discount period

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per month per h.p. for the first 10 h.p. of rated capacity of motors connected
75 cts. per month per h.p. for the next 20 h.p. of rated capacity of motors connected
50 cts. per month per h.p. in excess of 30 h.p. of rated capacity of motors connected
6 cts. per kw-hr. for the first 200 kw-hrs. per month
5 cts. per kw-hr. for the next 200 kw-hrs. per month
4 cts. per kw-hr. for the next 200 kw-hrs. per month
3 cts. per kw-hr. for all over 600 kw-hrs. per month
Cash discount of 5% if paid within discount period

Alternative lighting and power rate—

Demand charge:

$3.50 per month for each kw. of demand for first 10 kw.
$2.50 per month for each kw. of demand for next 40 kw.
$2.00 per month for each kw. of demand in excess of 50 kw.

Plus energy charge:

4½ cts. per kw-hr. for first 400 kw-hrs. per month
3½ cts. per kw-hr. for next 600 kw-hrs. per month
2½ cts. per kw-hr. for next 3,000 kw-hrs. per month
1½ cts. per kw-hr. for next 6,000 kw-hrs. per month
1 ct. per kw-hr. for all over 10,000 kw-hrs. per month

Note: Demands taken monthly. Minimum demand in any month shall in no event be considered less than 50% of the highest demand previously registered, no less than 1 kw.

Cash discount of 5% if paid within discount period
2,300-volt alternating current power rate—
(Advantageous for large power users)

1.609 cts. per kw-hr. (1.2 cts. per h.p.h.) up to 20% load factor

1.475 cts. per kw-hr. (1.1 cts. per h.p.h.) from 20% to 30% load factor

1.341 cts. per kw-hr. (1.0 cts. per h.p.h.) from 30% to 40% load factor

1.207 cts. per kw-hr. (.9 cts. per h.p.h.) from 40% to 50% load factor

1.1 cts. per kw-hr. (.82 cts. per h.p.h.) from 50% to 60% load factor

1.00 cts. per kw-hr. (.75 cts. per h.p.h.) for load factor of 60% and over

This schedule of low power rates is based on the sale of alternating current in large quantities for power purposes on a long term contract (10 years), with higher guarantees per h.p. of demand than required in the other power schedules.

Current to be measured and delivered to the customer at approximately 2,300 volts. If any other pressure is desired the necessary transformers for raising or lowering the voltage shall be furnished by the consumer.

This contract carries a minimum monthly bill of $200.00 plus $1.00 for each h.p. of maximum demand in excess of 100 h.p.

The rate charged per kw-hr. (or per h.p.h.) will be based on monthly load factor as set forth in schedule.

The maximum demand used in determining monthly minimum bill shall be determined by the highest demand recorded during any fifteen (15) minute period during such month; but the consumer shall have the privilege of varying the requirements monthly, and charges shall be based accordingly, provided, however, that the minimum bills shall at no time during the remainder of the year be based upon a demand less than 50% of the highest demand previously registered.

The consumer agrees to pay this amount even though consumption of current should equal a less sum.

A recording wattmeter and a demand meter will be installed on the premises of each consumer, and all bills will be based on the records of these instruments.

Above rates apply to all customers located on the established wholesale alternating current circuits of the company.

Street lighting—

2,800 6.6-ampere magnetic arcs. Rate, $60.00 per annum per arc

970 ornamental posts, each with 5 60-watt incandescents. Rate, $45.00 per annum per post

Burning schedule, 3,830 hours per annum

Minneota (819)

Citizens Light, Heat and Power Company

Current transmitted from Canby
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

15 cts. per kw-hr.

Street lighting—

30 100-watt lamps. Rate, $65.00 per month
Burning schedule (probably all night)

Montevideo (3,056)

The Montevideo Light and Power Company

Method of generation, hydraulic and steam power
Number of consumers, 992
Daily operating period, continuous

Commercial lighting—

Meter rates:

No minimum charge except 25 cts. meter rental
First 30 hours of total installation, 13 cts. per kw-hr.
All over that, 7 cts. per kw-hr.
10% discount if paid before the 28th of the month

Commercial power—

Meter rates:

First 19.4 kw-hrs. per h.p. installed, 10 cts. per kw-hr.

All above that, 2½ cts. per kw-hr.
Discount and meter rent same as above

Street lighting—
10 arcs. Rate, $72.00 per arc per annum
122 60-watt tungstens; $14.60 per lamp per annum
Lights burn all night on a moonlight schedule

Montgomery (1,267)

Le Sueur County Electric Light and Power Company

(Continental Utilities Company of Delaware)

Method of generation, kerosene and gasoline
Number of consumers, 84
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00 for residences and $1.50 for stores
First 10 kw-hrs., 16 cts. per kw-hr.
11 kw-hrs. and over, 12 cts. per kw-hr.

Street lighting—
7 standard 2,000-c.p. arcs; $60.00 per annum per arc
35 80-c.p. tungstens; $25.50 per annum
Aggregate, $1,312.50 per annum
Burning schedule, dusk to 1:00 a.m.

Moorhead (4,840)

Municipal Plant

Method of generation, steam
Yearly generation in 1913 was 862,380 kw-hrs.
Number of consumers, 956 light, 27 power
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00, 25 cts. of which is meter rental

First 200 kw-hrs., 8 cts. per kw-hr.
Next 100 kw-hrs., 7 cts. per kw-hr.
Next 100 kw-hrs., 6 cts. per kw-hr.
Next 200 kw-hrs., 5 cts. per kw-hr.
Next 400 kw-hrs., 4½ cts. per kw-hr.
Above 1,000 kw-hrs., 4 cts. per kw-hr.
Electric sign lighting, 4 cts. per kw-hr.
Bills net if paid by 10th of following month
10% penalty added if paid later

Commercial power—

Meter rates:

First 200 kw-hrs., 6 cts. per kw-hr.
Next 200 kw-hrs., 5 cts. per kw-hr.
Next 400 kw-hrs., 4 cts. per kw-hr.
All above 800 kw-hrs., 3 cts. per kw-hr.
Same provisions for minimum bill and prompt payment as above

Street lighting—

81 5-light ornamental posts
175 mazdas. City pays 4 cts. per kw-hr.
Burning schedule, all night

MORGAN (553)

Wherland Electric Company

Current from Redwood Falls
Number of consumers, 100
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
17 cts. per kw-hr. for the first hour burning
11 cts. per kw-hr. for the second hour burning
7 cts. per kw-hr. for all over three hours burning
In business places, full installation of the wattage of all lamps, less unlighted places by daylight
In residence places, 60% of the wattage of all lamps installed

Discount: The company allows a discount of 10% if bills are paid within 10 days. This discount, however, is good only in trade, and only on the 20th day of December, when each consumer may secure electrical apparatus, to the amount of the discounts for the entire year

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
10 cts. per kw-hr. for the first 10 kw-hrs. per h.p.
8 cts. per kw-hr. for the next 5 kw-hrs. per h.p.
6 cts. per kw-hr. for the next 5 kw-hrs. per h.p.
4 cts. per kw-hr. for all over 20 kw-hrs. per h.p.

Street lighting—

30 40-watt lamps burning all night. City pays $48.00 a month

Morris (1,685)

Otter Tail Power Company

Method of generation, water power and steam
Yearly current used, 300,000 kw-hrs.
Number of consumers, 300
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
Service charge:
1½ cts. per c.p. installed
12 cts. per kw-hr. for primary portion of current
6 cts. per kw-hr. for secondary portion of current
3 cts. per kw-hr. for all above secondary portion of current
Discount, 10% if bill is paid by the 10th of month

Commercial power—

Meter rates:

10 cts. per kw-hr. for primary portion of the current
5 cts. per kw-hr. for secondary portion of the current
3 cts. per kw-hr. for all above the secondary portion

Street lighting—

120 lights, 500-watt, 250-watt, and 100-watt mazdas
City pays $176.00 a month
Burning schedule, all night

Mountain Iron (1,343)

Municipal Plant

Method of generation, steam
Number of consumers, 132
Daily operating period, 4:00 p.m. to 7:00 a.m.

Commercial lighting—

Meter rates:

Minimum monthly bill, 50 cts. per month
10 cts. per kw-hr.
Discount, 10% if bill is paid within 10 days

Commercial power—

5 cts. per kw-hr.
Discount, same as above

Street lighting—

47 ornamental white way standards
14 arc lights

Mountain Lake (1,081)

Mountain Lake Milling Company

Method of generation, steam. (It is a new plant, just started before the report was sent in)
Daily operating period, sunset to midnight

Commercial lighting—

12 cts. per kw-hr.

Street lighting—

40 clusters; $75.00 per month

NASHWAUK (2,080)

Municipal Plant

Number of consumers, 160
Daily operating period, continuous

Commercial lighting and power—
Meter rates:
Minimum monthly bill, 50 cts.
9 cts. per kw-hr.
Flat rates:
$1.00 per light per month
10% discount on all bills if paid before the 10th of the following month

Street lighting—
85 40-watt tungstens. Rate, $1.00 per light per month
Burning from dark to daylight

NEW PRAGUE (1,554)

Municipal Plant

Method of generation, steam
Total yearly current generated, 49,000
Number of consumers, 148
Daily operating period, continuous

Commercial lighting and power—
Meter rates:
Minimum monthly bill, $1.00
10 cts. per kw-hr. with quantity discounts as follows, when bill is paid by 15th of the month:
On bills from $2.50 to $5.00, 10%
On bills from $5.00 to $7.50, 12%
On bills from $7.51 to $10.00, 14%
On bills from $10.01 to $12.50, 16%
On bills from $12.51 to $15.00, 18%
On bills from $15.01 to $20.00, 20%
On bills from $20.01 to $30.00, 25%
On bills from $30.01 and over, 30%

Street lighting—

110 incandescents

3 arc lights. City does not pay any charge for public lighting

Burning schedule, from dark to midnight and on certain mornings

New Richland (685)

Bretein and Engle

Method of generation, steam

Number of consumers, 78

Daily operating period, 4:00 p.m. to midnight

Commercial lighting—

Meter rates:

10 cts. per kw-hr.

Flat rates:

65 cts. for each 16-c.p. lamp

Commercial power—

Meter rates:

5 cts. per kw-hr.

Street lighting—

3 arc lights, 1,200-c.p. Rate, $7.00 per month per arc

21 16-c.p. incandescents. Rate, $1.25 per month per lamp

Burning from dark to midnight

New Ulm (5,648)

Municipal Plant

Number of consumers, 815

Daily operating periods, continuous

Commercial lighting—

Meter rates:

8 cts. per kw-hr.

5% discount if monthly bill is over $15.00

10% discount if monthly bill is over $30.00

Commercial power—
Meter rates:
5 cts. per kw-hr.
5% discount if monthly bill is over $25.00

Street lighting—
106 6.6-ampere arcs
44 ornamental 5-light posts
Burning on a moonlight schedule

North Branch (624)

Eastern Minnesota Power Company

Method of generation, steam and water power
Number of consumers, 80
Daily operating period, continuous

Commercial lighting—
See rates of Pine City

Street lighting—
17 60-watt mazdas. City pays $2.00 each per month for current, renewals and attendance
Burning schedule, all night

Northfield (3,265), including Dundas (357) and Randolph (182)

Consumers Power Company

Method of generation, water power and steam
Yearly current generated, 500,000 kw-hrs.
Number of consumers, 800
Daily operating period, continuous

Commercial lighting and power—

A minimum monthly service charge of $1.00 net will be made for each meter installed, to lighting consumers and for each horse power connected to power consumers.

A reconnection charge of $1.00 net will be made for each and every meter reset when meter is taken out by reason of consumer becoming delinquent.

LIGHTING RATES (METER RATES)

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
First 100	10.0	9.0	8.0
Next 100	9.0	7.0	6.0
Next 300	7.0	6.0	5.0
Next 500	6.0	5.0	4.5
Next 1,000	5.0	4.0	4.0
Next 1,000	4.0	3.5	3.5
Next 1,000	3.5	3.4	3.4
Next 1,000	3.4	3.3	3.3
Next 1,000	3.3	3.2	3.2
Next 1,000	3.2	3.1	3.1
Next 1,000	3.1	3.0	3.0
Next 1,000	3.0	2.9	2.9
Next 1,000	2.9	2.8	2.8

Above rate also applies to power installations of less than one horse power

POWER RATES (METER RATES)

Kw-hrs.	Schedule D Cts. per Kw-hr.	Schedule E Cts. per Kw-hr.
First 100	5.5	4.5
Next 400	5.0	4.0
Next 500	4.0	3.5
Next 1,000	3.5	3.2
Next 3,000	3.4	3.1
Next 5,000	3.3	3.0
Next 5,000	3.2	2.9
Next 10,000	3.1	2.8
Next 10,000	3.0	2.7
Next 15,000	2.9	2.6

Above rate applies to installations of one horse power and over.

Schedule A applies to residence consumers and consumers whose use of capacity installed is less than 3 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule B does not apply to residence lighting but applies to consumers whose use of the capacity installed is 3 kw-hrs. and less than 5 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule C does not apply to residence lighting but applies to consumers whose use of the capacity installed is 5 kw-hrs. and over per 50-watt lamp or equivalent per month.

Schedule D applies to consumers whose use of the capacity installed is less than 25 kw-hrs. per month per horse power.

Schedule E applies to consumers whose use of the capacity installed is 25 kw-hrs. or more per month per horse power.

The above lighting and power rates are subject to a discount of 10% if bills are paid at the office of the company on or before 10 days from the date of rendering thereof. If not paid on or before 10 days from the date of rendering of bills, no discount will be allowed, and the service will be discontinued without further notice on or after 15 days from the rendering of the bill at the option of the company.

Street lighting—

140 lights in all: 400-c.p. tungsten, 48-c.p. tungsten, 32-c.p. tungsten. City pays $55.00, $12.50, and $10.20 per annum respectively

Burning all night on a moonlight schedule

North Mankato

(*See* Mankato rates)

North St. Paul (1,404)

Municipal Plant

Method of generation, steam
Number of consumers, 193
Daily operating period, 20 hours a day

Commercial lighting—

Meter rates:

First 300 kw-hrs., 10 cts. per kw-hr.
Next 150 kw-hrs., 8 cts. per kw-hr.
All over 450 kw-hrs., 6 cts. per kw-hr.

Commercial power—

Meter rates:

First 1,000 kw-hrs., 5 cts. per kw-hr.

Second 1,000 kw-hrs., 4½ cts. per kw-hr.
Third 1,000 kw-hrs. and over, 4 cts. per kw-hr.
For fraction of plant equipment, 6 cts. per kw-hr. net
Discount of 5% on bills of over $1.25

Street lighting—
10 arc lights
75 incandescents
Burning schedule, average about 6 hours

Nymore (834)

Warfield Electric Company

Method of generation, steam and water power

Commercial lighting—
Meter rates:
10 cts. per kw-hr.
Flat rates:
$1.25

Ortonville (1,774)

Municipal Plant

Method of generation, steam
Total yearly generation, 89,000 kw-hrs.
Number of consumers, 250
Daily operating period, continuous

Commercial lighting—
Meter rates:
15 cts. per kw-hr. for first 70 hrs. per month of 60% installation
10 cts. per kw-hr. for all excess current
Bills are subject to discount of 2 cts. per kw-hr. and 25 cts. on the minimum charge if paid on or before the 15th of the month
Meter rental, 25 cts. per month

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. of installation
First 60 kw-hrs. of maximum demand, 10 cts. per kw-hr.
Above 60 kw-hrs., 5 cts. per kw-hr.
Meter rental, same as above

Street lighting—

100 16-watt tungsten lamps. Rate, 10 cts. per kw-hr.
Moonlight burning schedule

Osakis (1,013)

Osakis Milling Company

Method of generation, steam
Yearly current generated, 27,000 kw-hrs.
Number of consumers, 118
Daily operating period, "As needed. All day if necessary"

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.25
20 cts. per kw-hr. for residence lights
15 cts. per kw-hr. for commercial lights
Discount on residence bills of 25% if over $4.00 per month

Flat rates:

60 cts. per 40-watt mazda per month

Street lighting—

8 enclosed arcs. City pays $72.00 per annum per lamp
21 40-watt mazdas. City pays $18.00 per annum per lamp
Burning on a moonlight schedule to 1:30 a.m.

Owatonna (5,658)

Public Service Operating Company

Method of generation, steam
Yearly current generated, 600,000 kw-hrs.
Number of consumers, 774
Daily operating period, continuous

Commercial lighting—

LIGHTING RATES (METER RATES)

Kw-hrs.	Schedule A Cts. per Kw-hr.	Schedule B Cts. per Kw-hr.	Schedule C Cts. per Kw-hr.
First 100	12.0	11.0	10.0
Next 100	11.0	9.0	8.0
Next 300	9.0	8.0	7.0
Next 500	8.0	7.0	6.5
Next 1,000	7.0	6.0	6.0
Next 1,000	6.0	5.5	5.5
Next 1,000	5.5	5.4	5.4
Next 1,000	5.4	5.3	5.3
Next 1,000	5.3	5.2	5.2
Next 1,000	5.2	5.1	5.1
Next 1,000	5.1	5.0	5.0
Next 1,000	5.0	4.9	4.9
Next 1,000	4.9	4.8	4.8

Above rates also apply to power installations of less than one horse power

POWER RATES (METER RATES)

Kw-hrs.	Schedule D Cts. per Kw-hr.	Schedule E Cts. per Kw-hr.
First 100	7.5	5.5
Next 400	7.0	5.5
Next 500	6.0	4.5
Next 1,000	5.5	4.2
Next 3,000	5.4	4.1
Next 5,000	5.3	4.0
Next 5,000	5.2	3.9
Next 10,000	5.1	3.8
Next 10,000	5.0	3.7
Next 10,000	4.9	3.6

Above rate applies to installations of one horse power or over

Schedule A applies to residence consumers and consumers whose use of the capacity installed is less than 3 kw-hrs. per 50-watt lamp or equivalent per month.

Schedule B does not apply to residence but applies to other consumers whose use of the capacity installed is 3 kw-hrs. and less than 5 kw-hrs. per 50-watt lamp or equivalent thereof per month.

Schedule C does not apply to residence lighting but applies to other consumers whose use of the capacity installed is 5 kw-hrs. and over per 50-watt lamp or equivalent thereof per month.

Schedule D applies to consumers whose use of the capacity installed is less than 25 kw-hrs. per month per horse power.

Schedule E applies to consumers whose use of the capacity installed is 25 kw-hrs. or more per month per horse power.

The above lighting and power rates are subject to a discount of 10 per cent if bills are paid at the office of the company on or before 10 days from the date of the rendering thereof. If not paid on or before 10 days from the date of rendering of bills no discount will be allowed, and the service discontinued without further notice on or after 15 days from the rendering of the bill at the option of the company.

The minimum monthly service charge of $1.00 net will be made for each meter installed, to lighting customers and for each horse power connected to power consumers.

A reconnection charge of $1.00 net will be made for each and every meter reset when meter is taken out by reason of consumer becoming delinquent; also for resetting meter removed from premises for a period of but one month or less; two months or more, no charge.

Street lighting—

58 4-ampere luminous arcs, burning on a Philadelphia moonlight schedule. Rate, $65.00 per annum per arc

48 6.6-ampere luminous arcs, burning from dusk to 10:00 p.m. Rate, 5 cts. per kw-hr.

Park Rapids (1,801)

Park Rapids Hydro-Electric Company

Method of generation, water power
Daily operating period, continuous

Commercial lighting—

Meter rates:

First 40 kw-hrs., 10 cts. per kw-hr.
Next 40 kw-hrs., 9 cts. per kw-hr.

Next 40 kw-hrs., 8 cts. per kw-hr.
Next 40 kw-hrs., 7 cts. per kw-hr.
Next 40 kw-hrs., 6 cts. per kw-hr.
Meter rent, 25 cts.

Commercial power—

Meter rates:

Less than 2 h.p., the lighting rates apply
2 h.p. to 5 h.p., 6 cts. per kw-hr.
5 h.p. to 10 h.p., 5 cts. per kw-hr.
10 h.p. and above, 4 cts. per kw-hr.

Street lighting—

24 enclosed arcs. Rate, $5.00 a month for each arc
Burning on a moonlight schedule

Paynesville (901)

Municipal Plant

Method of generation, steam
Number of consumers, 153
Daily operating period, from 6:00 a.m. to midnight

Commercial lighting—

Meter rates:

10 cts. per kw-hr.

Commercial power—

Meter rates:

First 200 kw-hrs., 8 cts. per kw-hr.
Second 200 kw-hrs., 7 cts. per kw-hr.
Next 100 kw-hrs., 6 cts. per kw-hr.
Next 100 kw-hrs., 5 cts. per kw-hr.
All over 600 kw-hrs., 4 cts. per kw-hr.

Flate rates:

$1.00 per h.p. per month. ("Most of power motors are on meters")

Street lighting—

60 tungstens. Plant is credited $50.00 a month
Burning on a moonlight schedule till midnight

Pelican Rapids (1,019)

Municipal Plant

Method of generation, steam and water power. City buys current from a local mill at 2½ cts. per kw-hr., whenever the private company has water enough for both milling and electric purposes
Yearly current, 46,335 kw-hrs.
Number of consumers, 170
Daily operating period, dusk till 12:00 m. Expect 18-hour service in the near future

Commercial lighting—

Meter rates:
Minimum monthly bill, 50 cts.
12 cts. per kw-hr.

Street lighting—

14 5-light ornamental posts in business district, burning till 10:30 p. m.; the top light burns till midnight
4 A. B. arcs, burning till 10:30 p.m.
40 incandescents, burning till 10:30 p.m.
City pays 10 cts. per kw-hr.

Perham (1,376)

Municipal Plant

Method of generation, steam
Number of consumers, 173
Daily operating period, dusk to daylight

Commercial lighting—

Meter rates:
Minimum monthly bill, $1.00; meter rental, 25 cts.
12½ cts. per kw-hr.

Flat rates:
Same minimum
House lights, 40 cts.
Barn lights, 30 cts.
Office lights, 60 cts.
Store lights, 70 cts.

Street lighting—
15 arc lights
4 cluster lights, mazdas
30 single incandescents
City pays 10 cts. per kw-hr.
Lights burn all night

Pierz (545)

Municipal Plant

Number of consumers, 65
Daily operating period, continuous

Commercial lighting and power—
Meter rate:
10 cts. per kw-hr.
If bill is less than $1.00, 25 cts. meter rent is charged

Street lighting—
20 tungsten side lamps
City pays $288.80 cash in year 1914
Burning schedule, darkness till 11:00 or 12:00 o'clock

Pine City (1,258)

Eastern Minnesota Power Company

Method of generation, steam and water power
Number of consumers, 175
Daily operating period, continuous

Commercial lighting—
Meter rates:
10 cts. per kw-hr. for the first 30 kw-hrs.
8 cts. per kw-hr. for the next 20 kw-hrs.
7½ cts. per kw-hr. for the next 50 kw-hrs.
6 cts. per kw-hr. for the next 100 kw-hrs.
5 cts. per kw-hr. for all over 200 kw-hrs.

Commercial power—
Meter rates:
5 cts. per kw-hr. for small loads from 5 to 10 h.p.

4 cts. per kw-hr. for off-peak loads of 15 h.p. or over
1½ cts. is charged the flour mills on steady operating days when 30,000 kw-hrs. monthly are consumed

Street lighting—
47 60-watt mazdas. City pays $2.00 each per month
Burning schedule all night
Same commercial rates in force in Rock Creek, Rush City, Harris, North Branch, Grandy, Hanchfield, Braham, and Grasston, all of which are supplied by the same company.

Pine Island (834)

Pine Island Roller Mill and Electric Light Company

Method of generation, steam
Total yearly generation, 50,000 kw-hrs.
Number of consumers, 135
Daily operating period, from dusk till 11:15 p.m.

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00
12½ cts. per kw-hr.

Street lighting—
Burning on a moonlight schedule, till 11:15 p.m.
26 lamps, arcs and mazdas
City pays $65.00 a month

Plainview (1,175)

Plainview Electric Light and Power Company

Method of generation, steam and producer gas
Number of consumers, 175
Daily operating period, dusk to midnight, 5:30 a.m. to daylight; also all forenoon on Monday, Tuesday, and Wednesday

Commercial lighting—
Meter rates:
Minimum monthly bill, $1.00, 25 cts. meter rental
12 cts. per kw-hr. for the first 20 kw-hrs.

10 cts. per kw-hr. for the next 20 kw-hrs.
8 cts. per kw-hr. for all over 40 kw-hrs.

Commercial power—
Meter rates:
6 cts. per kw-hr.

Street lighting—
63 lamps, arcs and incandescents
City pays $97.50 per month
Burning on a moonlight schedule

Preston (1,193)

Municipal Plant

Method of generation, steam
Number of consumers, 200
Daily operating period, "to 12:00 o'clock midnight and from 5:30 a.m. to 8:00 a.m. from November to April 1"

Commercial lighting—
Meter rates:
"10 cts. first 50 kw-hrs. per month"
Flat rates:
50 cts. for 60-watt lamp per month

Street lighting—
53 60-watt lamps. (No more details)

Princeton (1,555)

Municipal Plant

Method of generation, steam
Number of consumers, 300
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, 75 cts.
12½ cts. per kw-hr.

Commercial power—

Meter rates:

Minimum monthly bill, as follows:
$1.00 per h.p. for motors up to 5 h.p.
75 cts. per h.p. for motors from 5 h.p. to 10 h.p.
50 cts. per h.p. for motors of more than 10 h.p.
8 cts. per kw-hr.

Street lighting—

Municipality charged $12.00 per annum for street lighting

PROCTORKNOTT (2,243)

Proctor Water and Power Company

Current purchased
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 25 cts.
10 cts. per kw-hr. for all current up to 200 kw-hrs.
9 cts. per kw-hr. for 200 to 300 kw-hrs.
6½ cts. per kw-hr. for 300 to 500 kw-hrs.
5 cts. per kw-hr. for 500 kw-hrs. or more
Discount of 20% if bill is paid by 17th of month

Heating rates—

Meter rates:

Minimum monthly bill, $1.25
3 cts. per kw-hr.

Commercial power—

Meter rates:

1 h.p. or less, 6 cts. per kw-hr.; minimum per month, $2.50
1 h.p. to 5 h.p., 5 cts. per kw-hr.; minimum per month, $5.00
5 h.p. to 15 h.p., 4 cts. per kw-hr.; minimum per month, $7.50
15 h.p. or more, 3 cts. per kw-hr.; minimum per month, $1.00 per h.p.

These power rates are not in effect because power users consume so little electricity that it is cheaper to use the 10-cent lighting rate.

Street lighting—

16 arc lights. City pays $49.00 per annum per lamp
14 2-light clusters. City pays $18.00 per annum per lamp
3 250-watt tungstens. City pays $2.05 per month per lamp
Burning schedule, all night

Red Lake Falls (1,757)

Red River Power Company

Method of generation, water power
Number of consumers, 255
Daily operating period, continuous

Commercial lighting—

Meter rates:

Monthly minimum bill, $1.00

First	100 kw-hrs.,	11	cts. per kw-hr.
Next	100 kw-hrs.,	9	cts. per kw-hr.
Next	300 kw-hrs.,	6	cts. per kw-hr.
Next	500 kw-hrs.,	5	cts. per kw-hr.
Next	1,000 kw-hrs.,	4.5	cts. per kw-hr.
Next	1,000 kw-hrs.,	4.25	cts. per kw-hr.
Next	1,000 kw-hrs.,	4.2	cts. per kw-hr.
Next	1,000 kw-hrs.,	4.1	cts. per kw-hr.
Next	1,000 kw-hrs.,	4	cts. per kw-hr.
Next	1,000 kw-hrs.,	3.9	cts. per kw-hr.
Next	1,000 kw-hrs.,	3.8	cts. per kw-hr.
Next	1,000 kw-hrs.,	3.75	cts. per kw-hr.
Next	1,000 kw-hrs.,	3.7	cts. per kw-hr.
Next	10,000 kw-hrs.,	3.65	cts. per kw-hr.
Next	10,000 kw-hrs.,	3.6	cts. per kw-hr.
Next	20,000 kw-hrs.,	3.55	cts. per kw-hr.

This rate applies also to power installations of less than one horse power.

Discount, 10%, if bill is paid within 10 days of its rendering

Flat rates:

Sign Service Where Signs are Owned by the Company

Signs having their letters traced by lamps and having
2-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 20 cts.
4-c.p. tungsten lamps, 5 hours burning, rate per lamp per month, 20 cts.

Panel signs:
4-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 40 cts.
8-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 55 cts.

Sign Service Where Signs are Owned by the Consumer

Signs having their letters traced by lamps having
2-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 13 cts.
4-c.p. tungsten lamps, 5 hours burning, rate per lamp per month, 13 cts.

Panel signs:
4-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 31 cts.
8-c.p. carbon lamps, 5 hours burning, rate per lamp per month, 44 cts.

5 hours burning to mean from dark till midnight
Discount, same as above

Commercial power—

Meter rates:

A minimum monthly service charge of $1.00 net per horse power of connected capacity will be made

First	500	kw-hrs.,	6.66 cts. per kw-hr.
Next	500	kw-hrs.,	4.2 cts. per kw-hr.
Next	1,000	kw-hrs.,	4.15 cts. per kw-hr.
Next	1,000	kw-hrs.,	4 cts. per kw-hr.
Next	2,000	kw-hrs.,	3.85 cts. per kw-hr.
Next	5,000	kw-hrs.,	3.7 cts. per kw-hr.
Next	10,000	kw-hrs.,	3.55 cts. per kw-hr.
Next	10,000	kw-hrs.,	3.4 cts. per kw-hr.
Next	20,000	kw-hrs.,	3.3 cts. per kw-hr.

For power installation of 25 h.p. or over, operating at a load factor of 25%, or higher (24 hours basis, 26 days per month), a flat meter rate of 3.33 cts. per kw-hr.
Discount, same as above

Street lighting—
27 G. E. City pays $73.00 a month
Burning on a moonlight schedule

Red Wing (9,048)

Red Wing Gas Light and Power Company

(American Public Utilities Company)

Method of generation, current purchased from Minnesota-Wisconsin Power Company, gas engine auxiliary
Daily operating period, continuous

Commercial lighting—
Meter rates:
Minimum monthly bill, 75 cts.
First 75 kw-hrs., 11 cts. per kw-hr.
More than 75 kw-hrs., 7 cts. per kw-hr.
Discount, 1 ct. per kw-hr., if bill is paid within 10 days

Commercial power—
Meter rates:
Demand charge: $1.00 per connected h.p. per month, in addition to which the following energy charges are made:

ENERGY RATE SCHEDULE

From 1- to 4-h.p. rate (inclusive)

Up to 100 hrs. use of connected load in kw-hrs., 4 cts. per kw-hr.
101 to 200 hrs. use of connected load in kw-hrs., 3½ cts. per kw-hr.
201 to 300 hrs. use of connected load in kw-hrs., 3 cts. per kw-hr.
Above 300 hrs. use of connected load in kw-hrs., 2½ cts. per kw-hr.

From 5- to 25-h.p. rate (inclusive)

Up to 100 hrs. use of connected load in kw-hrs., 3½ cts. per kw-hr.
101 to 200 hrs. use of connected load in kw-hrs., 3 cts. per kw-hr.
201 to 300 hrs. use of connected load in kw-hrs., 2½ cts. per kw-hr.
Above 300 hrs. use of connected load in kw-hrs., 2 cts. per kw-hr.

From 26- to 75-h.p. rate (inclusive)

Up to 100 hrs. use of connected load in kw-hrs., 3 cts. per kw-hr.
101 to 200 hrs. use of connected load in kw-hrs., 2½ cts. per kw-hr.
201 to 300 hrs. use of connected load in kw-hrs., 2 cts. per kw-hr.
Above 300 hrs. use of connected load in kw-hrs., 1½ cts. per kw-hr.

5% discount on all bills paid on or before the 10th of the following month; no discounts to customers in arrears

Street lighting—

94 4-ampere luminous arcs. Rate, $60.00 per annum per arc
114 25-watt tungstens. Rate, $12.00 each per annum
Burning all night and every night

Renville (1,182)

Montevideo Electric Light and Power Company

Method of generation, water power and steam
Number of consumers, 74. (Company started December 1, 1913)
Daily operating period, continuous

Commercial lighting—

Meter rates:

First 30 hrs. of total installation, 13 cts. per kw-hr.
All above that, 7 cts. per kw-hr.
10% discount for prompt payment

Commercial power—

Meter rates:

First 19.4 kw-hrs. per h.p. installed, 10 cts. per kw-hr.
All above that, 2½ cts. per kw-hr.
Discount same as above

These rates apply also in Montevideo and Sacred Heart

Rochester (7,844)

Municipal Plant

Method of generation, steam
Yearly generation, 1,500,000 kw-hrs.
Number of consumers, 1,450
Daily operating period, continuous

Commercial lighting—

Meter rates:

Monthly minimum bill, 80 cts.
First 20 kw-hrs., 10 cts. per kw-hr.
Next 100 kw-hrs., 7 cts. per kw-hr.
All over 120 kw-hrs., 6 cts. per kw-hr.
Discount, 10% if paid by 10th of the month

Commercial power—

Meter rates:

Monthly minimum bill, $2.00
First 100 kw-hrs., 6 cts. per kw-hr.
Next 2,000 kw-hrs., 4 cts. per kw-hr.
Above 2,100 kw-hrs., 3 cts. per kw-hr.
Discount, same as above

Street lighting—

140 ornamental cluster posts, 5 series mazdas each
140 series arcs
City pays 7 cts. per kw-hr.
Cluster lights burn all night, 100 arcs till midnight

ROSEAU (644)

Municipal Plant

Method of generation, steam
Number of consumers, 75
Daily operating period, all night

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
15 cts. per kw-hr.
Discount, 5% if bill is paid by 15th of following month

Commercial power—

Meter rates:

12 cts. per kw-hr.
Discount and minimum bill same as above

Street lighting—

32 goosenecks and 4-light clusters
Burning schedule, dark till midnight; 4:00 a.m. till daylight

ROYALTON (676)

Royalton Power and Light Company

Current purchased from Little Falls Water Power Company
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Meter rental, 25 cts.
11 cts. per kw-hr.
Discount of 10% if bill is paid before 10th of following month

Street lighting—

30 250-c.p. lamps. City pays $84.00 per month

RUSHFORD (Village, 686; City, 1,011)

Municipal Plant

Method of generation, water power and steam
Number of consumers, 210
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 20 cts. meter rental and 25 cts. for current.

8 cts. per kw-hr.

Flat rates:

50 cts. per month for each 60-watt lamp

Street lighting—

80 lamps, carbons and tungstens
City pays 4¾ cts. per kw-hr.
Burning schedule, dusk till 11:30 p.m.

ST. CHARLES (1,159)

Municipal Plant

Method of generation, steam
Number of consumers, 165
Daily operating period, all night

Commercial lighting—

Meter rates:

Minimum monthly bill, 75 cts.

"12 cts. to 7 cts. per kw-hr. according to amount used"

Flat rates:

50 cts. to 25 cts. per lamp per month "according to number of lights in building"

Street lighting—

64 tungstens
Burning schedule, moonlight

ST. CLOUD (10,600)

Public Service Company

Method of generation, water power
Daily generation, 13,200 kw-hrs. (approximately)
Number of consumers, 2,004
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
0 to 100 kw-hrs., 11 cts. per kw-hr.
101 to 200 kw-hrs., 9 cts. per kw-hr.
201 to 500 kw-hrs., 6½ cts. per kw-hr.
Above 500 kw-hrs., 5½ cts. per kw-hr.
Discount, 1 ct. per kw-hr. if bill is paid by 10th of following month

Flat rate:

Porch lights, 10-c.p. lamp, 50 cts. a month for service to midnight

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p. for all motors installed
0 to 500 kw-hrs., 7 cts. per kw-hr.
501 to 1,000 kw-hrs., 5 cts. per kw-hr.
Above 1,000 kw-hrs., 4 cts. per kw-hr.
Discount, 1 ct. per kw-hr. if bill is paid by 10th of following month

Street lighting—

50 7.5-ampere enclosed arcs
50 4-ampere magnetite arcs. City pays $65.00 per annum per arc, this year, and $60.00 per annum per arc thereafter
Burning all night

St. Paul (214,744)

Consumers Power Company

St. Paul Gas Light Company

Method of generation for both plants, water power and steam
Yearly generation, Consumers Power Company, 13,995,940 kw-hrs.; St. Paul Gas Light Company, 21,867,923 kw-hrs.
Number of consumers, Consumers Power Company, 3,546; St. Paul Gas Light Company, 8,723
Daily operating period, continuous

Residence lighting—

Meter rates:

Minimum monthly bill, $1.00
First 30 kw-hrs., 11 cts. per kw-hr.
All in excess of 30 kw-hrs., 7.3 cts. per kw-hr.
Discount of 10% if bill is paid by 15th of month following

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
First 100 kw-hrs., 10 cts. per kw-hr.
Next 100 kw-hrs., 9 cts. per kw-hr.
Next 100 kw-hrs., 8 cts. per kw-hr.
Next 300 kw-hrs., 6 cts. per kw-hr.
All over 600 kw-hrs., 5½ cts. per kw-hr.
Discount same as for residence lighting

Commercial power—

Meter rates:

Minimum monthly bill, $1.00 per h.p.
First 52 hrs. use per month of maximum demand, 7.3 cts. per kw-hr.
All over this, 3 cts. per kw-hr.
Discount, same as above

Street lighting—

450 series carbon arcs (A. C.). Rate, $66.00 per annum per arc
80 7-ampere underground flaming arcs (D. C.). Rate, $90.00 per arc per annum

400 10-ampere overhead flaming arcs (A. C.), 400 watts. Rate, $88.00 per annum per arc for 1914. Rate for 1915 is $2.00 less

350 ornamental 5-light posts (390 watts to the post). Rate, $68.00 per annum for each post

Burning schedule, lights on from an hour after sunset till an hour before sunrise, except that during November, December, January, and February, the lights are turned on at sunset

St. Peter (4,176)

Municipal Plant

Method of generation, steam
Total yearly generation, 225,000 kw-hrs.
Number of consumers, 406
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
1 to 20 kw-hrs., 13⅓ cts. per kw-hr.
20 to 60 kw-hrs., 11 cts. per kw-hr.
60 to 100 kw-hrs., 10 cts. per kw-hr.
Over 100 kw-hrs., 8 cts. per kw-hr.
Discount, 10% if bills are paid before the 15th of the month

Commercial power—

Meter rates:

1 to 200 kw-hrs., 6 cts. per kw-hr.
200 to 400 kw-hrs., 5 cts. per kw-hr.
Above 400 kw-hrs., 4 cts. per kw-hr.
Discount, same as for lighting

Street lighting—

60 250-watt series tungstens
3 600-watt arc lamps
8 multiple tungstens, 60 to 100 watts
Burning on a moonlight schedule

Sandstone (1,818)

Kettle River Company

Method of generation, water power
Number of consumers, 160
Daily operating period, continuous except Sundays and holidays

Commercial lighting—

Meter rates:

25 cts. for meter rental
First 30 kw-hrs., 10 cts. per kw-hr.
Next 20 kw-hrs., 8 cts. per kw-hr.
All over 50 kw-hrs., 5 cts. per kw-hr.

Commercial power—

Same as lighting rates, except a minimum monthly charge of 50 cts. per h.p.

Company intends to change the breaking points in the sliding scale, raising the average rate somewhat

Street lighting—

5 arc lights
36 40-c.p. incandescents. City pays $1,100.00 annually
Burning schedule, all night

Sauk Centre (2,154)

Central Minnesota Power and Milling Company

Method of generation, steam and water power
Daily operating period, continuous

Commercial lighting—

Meter rates:

10 cts. for the first 50 kw-hrs.
9 cts. for next 50 kw-hrs.
"down to a minimum of 5 cts."

Flat rates:

50 cts. per 16-c.p. lamp per month

Commercial power—

8 cts. for the first 100 kw-hrs.

7 cts. for the next 100 kw-hrs.
"and so on down to 5 cts. minimum rate"

Street lighting—

27 2,000-c.p. arcs. City pays $90.00 per annum per arc
9 32-c.p. incandescents. City pays $2.00 per lamp per month
Burning schedule, all night except when moonlight

Shakopee (2,302)

Municipal Plant

Total yearly current generated, 116,000 kw-hrs.
Number of consumers, 250
Daily operating period, continuous

Commercial lighting—

Meter rates:

10 cts. per kw-hr. with the following discounts:
On bills of from $2.50 to $5.00, 5%
On bills of from $5.00 to $10.00, 10%
On bills of from $10.00 to $20.00, 15%

Commercial power—

6 cts. per kw-hr. or $1.00 per h.p. per month

Street lighting—

100 series mazdas; $85.00 per month
Burning schedule, dusk to 11:30 p.m.

Sherburn (814)

Municipal Plant

Method of generation, steam
Number of consumers, 155
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum charge, 25 cts. per month
First 25 kw-hrs., 14 cts. per kw-hr.

Next 25 kw-hrs., 13 cts. per kw-hr.
Next 25 kw-hrs., 12 cts. per kw-hr.
Next 25 kw-hrs., 11 cts. per kw-hr.
All additional amounts, 10 cts. per kw-hr.

Street lighting—

57 60-watt tungstens
3 500-watt arcs
City pays $72.40 per month for all

Sleepy Eye (2,247)

Municipal Plant

Method of generation, steam
Number of consumers, 350
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, 50 cts.
10 cts. per kw-hr.

Commercial power—

Meter rates:

6.6 cts. per kw-hr.

Street lighting—

32 ornamental 5-light standards
35 250-watt mazda lamps

South St. Paul (4,510)

Consumers Power Company

Method of generation, water power and steam
Number of consumers, 564
Daily operating period, continuous

Residence lighting—

Meter rates:

Minimum monthly bill, $1.00 for the first year and 75 cts. after that

11 cts. per kw-hr.
10% discount for payment within 15 days

Commercial lighting—

Meter rates:

Same minimum as for residence lighting
14 cts. per kw-hr. for first 52 hrs. of 70% of connected load (primary portion)
7 cts. per kw-hr. for all electricity in excess of this amount (secondary)

Quantity discounts allowed as follows:

On bills of $50.00 or more, 5%
On bills of $100.00 to $150.00, 10%
On bills of $150.00 to $200.00, 15%
On bills of $200.00 to $250.00, 20%
On bills of $250.00 or more, 25%

A discount is allowed on all bills for prompt payment (15 days) as follows:

4 cts. per kw-hr. on the primary portion
1 ct. per kw-hr. on the secondary portion

Commercial power—

Meter rates:

Minimum monthly bill:

First 10 h.p. connected, $1.00 per h.p. per month
Next 20 h.p. connected, 70 cts. per h.p. per month
Balance of connected load, 45 cts. per h.p. per month

SCHEDULE OF RATES

7 cts. per kw-hr. for the first 30 hours or fraction thereof per month use of maximum demand
4 cts. per kw-hr. for the next 30 hours or fraction thereof per month use of maximum demand
3 cts. per kw-hr. for all electricity in excess of above

From the monthly bill figured at the above rates, a quantity discount shall be allowed as follows:

No discount on bills under $50.00 per month
10% discount on bills of $50.00 per month
15% discount on bills of $100.00 per month
20% discount on bills of $150.00 per month

25% discount on bills of $200.00 per month
30% discount on bills of $300.00 per month
35% discount on bills of $400.00 per month
40% discount on bills of $500.00 per month and over
Intermediate discounts to be determined by interpolation
A further discount of 10% is allowed on all bills for prompt payment (15 days)

Street lighting—

184 100-watt series, $18.00 per annum per light
5 1,200-c.p. enclosed arcs, $60.00 per annum per arc
Burning schedule, series lights, sunset to 1:00 a.m., 5:00 a.m. to sunrise; arc lights, sunset to sunrise

Spooner (668)

International Lumber Company

Method of generation, steam
Number of consumers, 68
Daily operating period, 5:30 p.m. to midnight; 4:30 a.m. to 7:30 a.m.

Commercial lighting—

Meter rates:
15 cts. per kw-hr. for the first 20 kw-hrs.
10 cts. per kw-hr. for all over 20 kw-hrs.
Discount, 10% if bill is paid by the 12th of the month following

Street lighting—

7 arc lights
4 cluster lights
8 street tungstens. City pays $82.50 per month

Springfield (1,482)

Municipal Plant

Method of generation, steam
Number of consumers, 137
Daily operating period, from dusk till daylight, and on Wednesday forenoons for ironing

Commercial lighting and power—

Meter rates:

10 cts. per kw-hr.

Street lighting—

40 incandescent clusters

No charge to municipality

Spring Valley (1,817)

Southern Minnesota Power Company

Method of generation, steam

Commercial lighting—

Flat rates:

"25 cts. to 75 cts." (No more details given)

Street lighting—

23 ornamental posts

51 16-c.p. lamps

Staples (2,558)

Municipal Plant

Method of generation, steam
Yearly current sold, 170,339 kw-hrs.
Number of consumers, 470
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
First 100 kw-hrs., 10 cts. per kw-hr.
Next 100 kw-hrs., 9 cts. per kw-hr.
Next 100 kw-hrs., 8 cts. per kw-hr.
Next 100 kw-hrs., 7 cts. per kw-hr.
Next 100 kw-hrs., 6 cts. per kw-hr.
Each added kw-hr., 5 cts. per kw-hr.
Discount, 10% if bill is paid by 25th of month

Commercial power—

Meter rates:

First 100 kw-hrs., 10 cts. per kw-hr.
Next 100 kw-hrs., 8 cts. per kw-hr.
Next 100 kw-hrs., 7 cts. per kw-hr.
Over 300 kw-hrs., 6 cts. per kw-hr.

Street lighting—

8 arc lights
52 carbons. City pays $2,940.00 total per annum
Burning on a moonlight schedule

Stillwater (10,198)

Consumers Power Company

Method of generation, water power and steam
Yearly current used, 2,017,755 kw-hrs.
Number of consumers, 1,500
Daily operating period, continuous

Commercial lighting rates—

Meter rates:

Kw-hrs.	Gross	Discount	Net
First 6 per month.....	15 cts. per kw-hr.		15 cts.
6 to 100 per month.....	11 cts. per kw-hr.	1 ct.	10 cts.
Next 100 per month....	10 cts. per kw-hr.	1 ct.	9 cts.
Next 300 per month....	9 cts. per kw-hr.	1 ct.	8 cts.
Next 500 per month....	8 cts. per kw-hr.	1 ct.	7 cts.

Business lighting rates—

Meter rates:

	Gross	Discount	Net
3 kw-hrs. per 16-c.p. equivalent.	9 cts. per kw-hr.	1 ct.	8 cts.
4 kw-hrs. per 16-c.p. equivalent.	8 cts. per kw-hr.	1 ct.	7 cts.
5 to 11, per 16-c.p. equivalent..	7 cts. per kw-hr.	1 ct.	6 cts.
11 to 21, per 16-c.p. equivalent.	6 cts. per kw-hr.	1 ct.	5 cts.
21 or more per 16-c.p. equivalent	5 cts. per kw-hr.	1 ct.	4 cts.

Flat rates:

Window lighting:

40-watt lamp, 50 cts. per month per lamp burning from dusk till 10:30 p.m.

60-watt lamp, 65 cts. per month per lamp, same burning schedule

Sign lighting:

20 cts. per month per lamp for the first two years; 13 cts. per lamp after that. Burning schedule, dusk till 10:30 p.m. Signs furnished by company

Commercial power rates—

Applicable only when kw-hrs. consumed amount to more than monthly service charge, or minimum bill

For 1 hr. service per day per month, 26 days, 11 cts. per kw-hr.
For 2 hr. service per day per month, 26 days, 7.1 cts. per kw-hr.
For 3 hr. service per day per month, 26 days, 5.5 cts. per kw-hr.
For 4 hr. service per day per month, 26 days, 4.5 cts. per kw-hr.
For 5 hr. service per day per month, 26 days, 4.02 cts. per kw-hr.
For 6 hr. service per day per month, 26 days, 3.51 cts. per kw-hr.
For 7 hr. service per day per month, 26 days, 3.22 cts. per kw-hr.
For 8 hr. service per day per month, 26 days, 3.00 cts. per kw-hr.
For 9 hr. service per day per month, 26 days, 3.00 cts. per kw-hr.
For 10 hr. service per day per month, 26 days, 2.98 cts. per kw-hr.

Discount, 10%. To secure discount, all bills must be paid by the 10th of the following month

Street lighting—

332 incandescents, 3.3-ampere, 25-c.p. series. Rate, $12.00 per annum per lamp

41 6.6-ampere multiple arcs. Rate, $57.50 per annum per arc

Lamps burn all night every night

Thief River Falls (3,714)

Municipal Plant

Method of generation, water power and Diesel crude oil engine
Number of consumers, 800
Daily operating period, continuous

Commercial lighting—

Meter rates:

9 cts. per kw-hr.

10% discount for prompt payment

Commercial power—

Meter rates:

Up to 100 kw-hrs., 6 cts. per kw-hr.
100 to 500 kw-hrs., 5 cts. per kw-hr.
500 to 1,000 kw-hrs., 4 cts. per kw-hr.
1,000 to 5,000 kw-hrs., 3 cts. per kw-hr.
5,000 to 10,000 kw-hrs., 2 cts. per kw-hr.
10% discount for prompt payment

Street lighting—

12 A. B. enclosed arcs
50 cluster lights with 2 100-watt tungsten lamps in each
74 ornamental lamp posts, each having 4 60-watt tungstens and 1 100-watt tungsten. Credit is given to the department at 4 cts. per kw-hr.

Tracy (1,876)

Municipal Plant

Method of generation, steam
Yearly generation, total of 200,000 kw-hrs.
Number of consumers, 350
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill, 50 cts.
Meter rent, for light, 15 cts. per month
Meter rent, for power, 35 cts. per month
1 to 8 kw-hrs., 14 cts. per kw-hr.
9 to 18 kw-hrs., 13 cts. per kw-hr.
19 to 30 kw-hrs., 12 cts. per kw-hr.
31 to 45 kw-hrs., 11 cts. per kw-hr.
46 to 80 kw-hrs., 10 cts. per kw-hr.
81 to 125 kw-hrs., 9 cts. per kw-hr.
126 to 200 kw-hrs., 8 cts. per kw-hr.
200 and over kw-hrs., 7 cts. per kw-hr.
10% discount for prompt payment

Street lighting—

34 cluster lamps. Rate, 7 cts. per kw-hr.
Burning on a moonlight schedule

Two Harbors (4,990)

Municipal Plant

Method of generation, steam
Yearly output, 300,000 kw-hrs.
Number of consumers, 900
Daily operating period, continuous

Commercial lighting—

Meter rates:

No minimum charge
8 cts. per kw-hr.
10% added if bill is not paid before the 25th of the month

Commercial power—

Meter rates:

No minimum charge
First 10 kw-hrs., 6 cts. per kw-hr.
Next 15 kw-hrs., 5 cts. per kw-hr.
Next 25 kw-hrs., 4 cts. per kw-hr.
Next 50 kw-hrs., 3 cts. per kw-hr.
Next 400 kw-hrs., 2½ cts. per kw-hr.
All over 500 kw-hrs., 2 cts. per kw-hr.

Street lighting—

83 lights, arcs, clusters, and 500-watt tungstens
No charge to city

Virginia (10,473)

Municipal Plant

Method of generation, steam
Monthly generation, 118,000 kw-hrs.
Number of consumers, 1,900
Daily operating period, continuous

Commercial lighting—

Meter rates:

7 cts. per kw-hr.
10% discount on bills paid by 10th of month

Commercial power—
Meter rates:
5 cts. per kw-hr.
Discount same as above

Street lighting—
80 arc lights
159 ornamental standards, 5 lights each. City pays 7 cts. per kw-hr. straight

Wadena (1,820)

Municipal Plant

Method of generation, steam
Number of consumers, 300
Daily operating period, continuous

Commercial lighting and power—
Meter rates:
25 cts. minimum monthly bill
10 cts. per kw-hr.
Flat rates:
50 cts. per light per month

Street lighting—
30 lights. (Report not clear; evidently some 4-light posts with 100-watt mazdas, and some arcs)
"City pays $7.50 per month per arc lamp"
Burning on a moonlight schedule

Walker (917)

Municipal Plant

Method of generation, steam
Number of consumers, 87
Daily operating period, dusk till daylight

Commercial lighting and power—
Meter rates:
Minimum monthly bill, 75 cts.
10 cts. per kw-hr.

Flat rates:

50 cts. per month for each 60-watt lamp
35 cts. per month for each 40-watt lamp
25 cts. per month for each 25-watt lamp

Street lighting—

10 carbon arcs. Rate, $5.00 per month per arc
24 60-watt tungstens. Rate, 70 cts. per month per lamp
These amounts are not paid, but credited to the plant
Burning schedule, all night, moonlight schedule

Warren (1,613)

Municipal Plant

Method of generation, steam
Number of consumers, 319
Daily operating period, continuous

Commercial lighting and power—

Meter rates:

Minimum monthly bill, 85 cts.; meter rental, 10 cts.
1 to 200 kw-hrs., 10 cts. per kw-hr.
201 to 300 kw-hrs., 9 cts. per kw-hr.
301 to 400 kw-hrs., 8 cts. per kw-hr.
401 kw-hrs. and over and power, 7 cts. per kw-hr.
No discount

Flat rates:

8-c.p. lamp to midnight, 40 cts. a month
16-c.p. lamp to midnight, 60 cts. a month
8-c.p. lamp all night, 70 cts. a month
16-c.p. lamp all night, $1.00 a month

Street lighting—

31 5-light clusters
6 arc lights
38 64-c.p. brackets
No charge to municipality
Burning on a moonlight schedule

Wells (1,755)

Municipal Plant

Method of generation, steam
Number of consumers, 285
Daily operating period, continuous

Commercial lighting—

Meter rates:
Minimum monthly bill, 50 cts.; meter rental, 25 cts.
11 cts. per kw-hr.
10% discount if bill is paid by 10th of month

Commercial power—

Meter rates:
Minimum monthly bill same as above
10 cts. per kw-hr.
25% discount if bill is paid before 10th of the month

Street lighting—

50 tungstens. Meter rate, 11 cts. About $100.00 a month
Burning schedule, dusk to midnight

West Minneapolis (3,022)

Minneapolis General Electric Company

Current purchased from the Minneapolis branch of the Consumers Power Company
Daily operating period, continuous

Street lighting—

6 100-c.p. lamps. City pays $2.46 per lamp per month
31 40-c.p. lamps. City pays $1.50 per lamp per month

Wheaton (1,300)

Wheaton Electric Company

Method of generation, steam
Number of consumers, 225
Daily operating period, from dusk till midnight; from November 1 to March 1, the plant runs from 6:00 a.m. to daylight

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00

15 cts. per kw-hr.

Discount, 15% if bill is paid by 15th of month

Street lighting—

5 arc lights

55 32-c.p. incandescents

City pays $5.00 a month for each arc, and $1.15 for each incandescent

Burning schedule, same as operating period, except when moonlight

White Bear (1,505)

Consumers Power Company

Current from dam at Apple River, Wisconsin

Total amount used in White Bear, 290,000 kw-hrs.

Number of consumers, 500 to 1,000, according to the season

Daily operating period, continuous

Residence lighting—

Meter rates:

Minimum monthly bill, $1.00

13 cts. per kw-hr.

Discount of 1 ct. per kw-hr. if paid within 10 days from date of bill

Commercial lighting—

Meter rates:

Minimum monthly bill, same as above

First 100 kw-hrs., 11 cts. per kw-hr.

Next 100 kw-hrs., 10 cts. per kw-hr.

Next 300 kw-hrs., 9 cts. per kw-hr.

More than 500 kw-hrs., 8 cts. per kw-hr.

Discount same as above

Lake regions outside the village limits—

Meter rates:

Minimum charge same as above

Transient consumers (April to October inclusive), 19 cts. per kw-hr.
Yearly consumers, 14 cts. per kw-hr.
Discount same as above

Commercial power—

Meter rates:
$6\frac{1}{2}$ cts. per kw-hr. down, "according to amount used"

Street lighting—

7 6.6-ampere enclosed alternating arcs. Rate for arcs, $6.25 each a month
110 incandescents, 3.3-ampere, 40-watt mazda. Rate, $1.33\frac{1}{3}$ a month
Burning schedule, dusk to 1:00 a.m. and from 5:00 a.m. till dawn

Willmar (4,135)

Municipal Plant

Method of generation, steam
Number of consumers, 850
Daily operating period, continuous

Commercial lighting—

Meter rates:
Minimum monthly bill, 50 cts.
10 cts. per kw-hr. with following discounts:
On bills of $5.00, 5% discount
On bills of $10.00, 10% discount
On bills of $15.00, 15% discount
On bills of $20.00, 20% discount
On bills of $25.00, 25% discount
On bills of $30.00, 30% discount
On bills over $30.00, 30% discount
A penalty of 10% is added if bill is not paid by the 20th of the following month

Commercial power—

Meter rates:
Minimum, same as above

7 cts. per kw-hr.
If current is used amounting to $3.00 a month at a primary rate, a rate of 6 cts. is charged. If current consumed amounts to $10.00 a month at the primary rate, a rate of 5 cts. is charged
Same penalty as above

Street lighting—
30 ornamental posts, 40- and 60-watt lamps
160 mazdas for residence portion
(There are more lights than this apparently, but the report is not quite clear)
City pays 7 cts. per kw-hr. with same discounts as above

Winnebago (1,554)

Municipal Plant

Method of generation, steam
Number of consumers, 225
Daily operating period, dark to daylight

Commercial lighting—
Meter rates:
Minimum monthly bill, 75 cts.
10 cts. per kw-hr.

Street lighting—
10 clusters
90 incandescents. City pays $1,530.00 a year

Winona (18,583)

Wisconsin Railway, Light and Power Company

Method of generation, water power and steam
Yearly current, 6,000,000 kw-hrs.
Number of consumers, 2,500
Daily operating period, continuous

Commercial power—
Meter rates:
Minimum monthly bill, less than 20 lights connected, 75 cts.; more than 20 lights connected, $1.00

0 to 50 kw-hrs., 11 cts. per kw-hr.
51 to 100 kw-hrs., 7 cts. per kw-hr.
101 to 500 kw-hrs., 5½ cts. per kw-hr.
501 to 1,000 kw-hrs., 5 cts. per kw-hr.
1,001 to 2,000 kw-hrs., 4½ cts. per kw-hr.
Discount of 1 ct. per kw-hr. if paid before 10th of following month

Commercial power—

Meter rates:

Minimum monthly bill, motor service, 3-phase, not less than $2.50; motor service per h.p. connected, 50 cts.; other rates same as above

Street lighting—

175 7.5-ampere arcs
4 200-c.p. mazda lamps
24 80-c.p. mazda lamps. City pays $68.00 per annum per arc and $25.00 per annum per 80-watt mazda

Worthington (2,385)

Municipal Plant

Method of generation, steam
Number of consumers, 450
Daily operating period, continuous

Commercial lighting—

Meter rates:

Minimum monthly bill, $1.00
1 to 50 kw-hrs., 10 cts. per kw-hr.
51 to 110 kw-hrs., 9 cts. per kw-hr.
111 to 185 kw-hrs., 8 cts. per kw-hr.
186 kw-hrs. and above, 7½ cts. per kw-hr.
Meter rental, 25 cts. per month
Discount, 5% if paid within 5 days

Commercial power—

Meter rates:

6 cts. per kw-hr.
Discount, same as above

Street lighting—

125 series mazda

33 ornamental posts, mazdas. City pays 7½ cts. per kw-hr. less maintenance

Lights burn all night

ZUMBROTA (1,138)

Consumers Power Company

Method of generation, water power and steam

Commercial lighting—

Meter rates:

10 cts. per kw-hr.

10% discount. (For prompt payment, presumably)

Commercial power—

5 cts. per kw-hr.

10% discount

Street lighting—

69 60-watt lamps. City pays $1.00 each per month

Burning schedule, dark to midnight, except when moonlight

Ada (1,432)

Municipal Plant

Source of supply, artesian well flowing into reservoir
Pumping, gas engine
Number of metered consumers, 10
Number of flat rate consumers, 240

Public service—

Number of hydrants, 20
Rental charge, $40.00 per year for each
No other charges to municipality

Commercial service—

Meter rates:

20 cts. per 100 cu. ft. No discount

Flat rates:

Domestic use, per year	$5.00
Closets, each	3.00
Bathtubs, each	2.00
10-barrel tanks, per tank	.25

Aitkin (1,638)

Municipal Plant

Source of supply, Mud River
Pumping, steam
Number of metered consumers, 148

Public service—

Number of hydrants, 35
Fire protection, per year, $1,000.00

Commercial service—

5,000 to	10,000 gal., 40	cts. per 1,000 gal.
10,000 to	20,000 gal., 35	cts. per 1,000 gal.
20,000 to	50,000 gal., 30	cts. per 1,000 gal.

50,000 to 100,000 gal., 25 cts. per 1,000 gal.
100,000 to 150,000 gal., 20 cts. per 1,000 gal.
150,000 to 250,000 gal., 15 cts. per 1,000 gal.
250,000 to 500,000 gal., 12½ cts. per 1,000 gal.
500,000 to 1,000,000 gal., 10 cts. per 1,000 gal.
Over 1,000,000 gal., 8 cts. per 1,000 gal.
Under 5,000 gal., minimum charge, per quarter, $2.00
Meter rental:
⅝- to ¾-inch, per month, 25 cts.
1- to 1¼-inch, per month, 30 cts.
Meters may be furnished by the consumer

Adrian (1,112)

Municipal Plant

Source of supply, well
Pumping, steam pump (capacity, 30,000 gal.)
Number of metered consumers, 13
Number of flat rate consumers, 99

Public service—
20 hydrants at $46.25 each per year
Street sprinkling, $50.00 per year
No other charges to the municipality

Commercial service—
Meter rates:
50 cts. per 1,000 gal.
Flat rates:

Residences, per year	$5.00
Livery barns	18.00
Hotels	24.00

Albany (657)

Municipal Plant

Source of supply, well
Pumping, gasoline engine and electricity
Number of metered consumers, 7

Number of flat rate consumers, 46

Public service—

Number of hydrants, 13

Commercial service—

Meter rates:

40 cts. per 1,000 gal.

15 cts. per 1,000 gal. for users whose daily consumption exceeds 500 gal.

Flat rates:

Bank, per year	$5.00
Bakeries	5.00
Brickwork, per 1,000	.05
Barbershop, first two chairs and basin	5.00
Each additional chair	2.00
Bath in private dwelling	free
Bath, public, first two tubs	5.00
Each additional tub	3.00
Blacksmith shop, two fires	5.00
Each additional fire	2.00
Boarding house	special
Churches	5.00
Fountains	5.00
Hotels	special
Halls	5.00
Lawn hose for sprinkling grounds, per faucet	3.00
Same in connection with house use	3.00
Same, each additional	1.25
Laundries	special
Meat market	5.00
Offices	5.00
Plastering, per 100 sq. yd	.25
Photograph galleries	5.00
Printing office	5.00
Residence, family use only	5.00
Railroad depot	special
Railroad tank	special
Stables, private, 3 stalls and buggy	5.00
Same in connection with residence	2.00
Stables, livery, per stall	special 16.00

Stables, hotel, per stall	special
Stores	$5.00
Saloons	5.00
Sprinkling carts	special
Stone work, per cord	.15
Urinals for private dwelling	free
Urinals, public	3.00
Wash basin in private dwelling	free
Wash basin in hotel, each	2.00
Water closet for private dwelling	free
Water closet, public	5.00
Mills and factories	special
Water meter rates, per 1,000 gal	.40

Surface Pipes Only

Sprinkling lawns, one faucet	$5.00
Each additional faucet	1.25

All other purposes, one-half regular rate

Albert Lea (6,192)

Municipal Plant

Source of supply, artesian wells
Pumping, steam
Number of metered consumers, 1,075
No flat rate consumers

Public service—

Number of hydrants, 138
Rental charge, $25.00
No charge for street sprinkling or fire protection
No other charges to municipality

Commercial service—

Meter rates:

First 15,000 cu. ft. per year, per 1,000 cu. ft. or fraction thereof, $1.50
Next 15,000 cu. ft. per year, per 1,000 cu. ft. or fraction thereof, $1.12½

All above 30,000 to 200,000 cu. ft. per year running through one meter or used on same premises, per 1,000 cu. ft., 60 cts.

200,000 to 300,000 cu. ft. per year running through one meter or used on same premises, per 1,000 cu. ft., 60 cts. straight

300,000 cu. ft. or more per year running through one meter or used on same premises, per 1,000 cu. ft., 53 cts. straight

No permits issued for less than $5.00 except for building purposes. A semi-annual charge of $2.50 is hereby established as the minimum rate for water used.

Alexandria (3,001)

Municipal Plant

Source of supply, well

Pumping, electricity

Number of flat rate consumers, 200

Public service—

36 hydrants at $55.00 each per year

Street sprinkling, $100.00 per year

No other charges to municipality

Board of Water Works pays city 4% per year on value of plant

Commercial service—

Flat rates:

Residences, per year	$5.00
Bath	2.00
Closet	3.00

Lawns extra

Anoka (3,972)

Municipal Plant

Source of supply, artesian wells

Pumping, for domestic use, electrical centrifugal pump; for fire pressure, duplex comp. Barr pump

Number of metered consumers, 265

Public service—

Number of hydrants, 66
Hydrant rental per year, $3,700.00
No other charges to municipality

Commercial service—

Meter rates:

First 5,000 gal., 20 cts. per 1,000
Next 5,000 gal., 15 cts. per 1,000
Over 10,000 gal., 8 cts. per 1,000
Meters read monthly. No discounts
Minimum rates, 50 cts. per month
Meter rental, 15 cts. per month

Appleton (1,221)

Municipal Plant

Pumping, steam
Source of supply, deep well
Number of metered consumers, 127

Public service—

Number of hydrants, 26

Commercial service—

Meter rates:

30 cts. per 1,000 gal.
Minimum quarterly charge, 50 cts.; 10% added if bill is not paid by the 10th of the first month in the quarter

Atwater (600)

Municipal Plant

Source of supply, seven wells
Pumping, gasoline engine
Number of metered consumers, 10
Number of flat rate consumers, 16

Public service—

Number of hydrants, 10
No charges to municipality

Commercial service—

Meter rates:

25 cts. per 1,000 gal.

Flat rates:

$5.00 per year
No discounts

Aurora (1,919)

Municipal Plant

Source of supply, two wells, 90 and 110 feet deep
Pumping, 90-foot well, No. 9 Cameron steam pump; 110-foot well, motor-driven, 3-stage centrifugal pump driven by a 35-h.p. 3-phase induction motor
Number of metered consumers, 5
Number of flat rate consumers, 202

Public service—

Number of hydrants, 26
Rental charge, per hydrant per year, $36.00

Commercial service—

Meter rates:

1,000 to 10,000 gal., 25 cts. per 1,000 gal.
10,000 to 20,000 gal., 20 cts. per 1,000 gal.
20,000 to 30,000 gal., 19 cts. per 1,000 gal.
30,000 to 40,000 gal., 18 cts. per 1,000 gal.
40,000 to 50,000 gal., 17 cts. per 1,000 gal.
50,000 to 60,000 gal., 16 cts. per 1,000 gal.
60,000 gal. or more, 15 cts. per 1,000 gal.
Minimum charge on meter rate, 50 cts. per month
Schoolhouses and water supplied for construction work from said water-works system of said village, shall be charged therefor on such meter rates as above established.

Flat rates:

Hotels, per month..... $5.00

Saloons, per month	$3.00
Public bath houses, per month	3.00
Livery stables, per month	5.00
Boarding houses, per month	2.50
Meat markets, stores, and other places of mercantile business, per month	1.50
Restaurants, per month	1.50
Barber shops, per month	1.00
Residences, per month	1.00
Private barns, for each tap, per month	1.00
Fire hydrants, per month	3.00
Village hall, per month	7.50

Saloons in hotels or boarding houses each shall be charged separately

Any person, firm, or corporation taking water from public hydrants furnished for that purpose, or from any party having water introduced into their premises and supplied with water from the water-works system of said village, shall pay therefor at the following table of flat rates, to-wit:

For each saloon or business house, per month	$1.00
For each boarding house, per month	1.50
For each residence or family, per month	.50
For each cow or horse, per month	.10

Austin (6,960)

Municipal Plant

Source of supply, springs and wells
Pumping, steam
Number of metered consumers, 1,000
Number of flat rate consumers, 201

Public service—
117 hydrants at $10.00 per hydrant per year
Street sprinkling, $500.00 per year
45 sewer flush tanks at $40.00 each per year

Commercial service—

Meter rates:
Minimum, 800 cu. ft. or less, per quarter, $1.25

In excess of 800 cu. ft., per quarter, an additional charge per 100 cu. ft. of 15 cts.

Discounts will be allowed as follows:

When 1,200 to 2,000 cu. ft. per quarter are used, 5%
When 2,000 to 3,500 cu. ft. per quarter are used, 10%
When 3,500 to 5,000 cu. ft. per quarter are used, 15%
When 5,000 to 7,000 cu. ft. per quarter are used, 20%

In excess of 7,000 cu. ft. per quarter, discount to be fixed by the council

Rates for all purposes that may be applied for, not named in the foregoing schedule, to be fixed by the superintendent

The rates are subject to the provision that any person taking water for any purpose, however small, must pay a minimum charge of $5.00 per year

Flat rates:

Laying stone, per perch (mason's measurement)	$0.02
Laying brick, per 1,000 (mason's measurement)	.10
Plastering, per 100 yd. (plasterer's measurement)	.40
No permit issued for less than	1.00
Breweries	25.00
Bakeries, h.p. boiler, extra	8.00
Blacksmith shops	$3.00 to 6.00
Banks	6.00
Barber shops:	
First chair, per year	5.00
Second chair, per year	3.00
Each additional chair, per year	2.00
Baths:	
Private house, first bath, per year	3.00
Each additional bath, per year	1.00
Hotels and boarding houses, per year	6.00
Public, per year, first	8.00
Each additional	5.00
Hotels and boarding houses:	
For each room, less than 10, per year	1.50
Each additional room, over 10, per year	1.00
Carriage shops:	
Five persons or less, per year	5.00

Each additional person, per year	$0.50
Extra for fires (see blacksmith shops)	
Churches, free, except for motors	
Dental offices, per year	5.00
Dye shops, per year	$15.00 to 50.00
Dwellings:	
Each private dwelling occupied by one family, for 5 rooms or less, per year	5.00
Each private dwelling occupied by one family, for 7 rooms or less, per year	6.00
Each additional room, per year	.25
Each additional family, per year	4.00
Fountains, per season, not to exceed 5 months:	
1/16-inch orifice	8.00
⅛-inch orifice	15.00
3/16-inch orifice	30.00
¼-inch orifice	50.00
½-inch orifice	100.00
Laundries, per year	$10.00 and upwards
Gas engines (where tanks are used)	
7-h.p. or less, per year	5.00
Over 7-h.p., per year	10.00
Where the water connection is made with engine, by meter measurement	
Manufacturing (h.p. boiler extra)	
10 hands or less, per year	5.00
Each additional hand up to 20, per year	.50
Each additional hand beyond 20, per year	.25
Meat markets	6.00
Offices and sleeping rooms:	
First room, per year	3.00
Second room, per year	2.00
Each additional room, per year	1.00
(To be charged to landlord or lessee of lower floor)	
Printing offices (h.p. boiler extra), per year	$6.00 and upwards
Photograph galleries, per year	8.00
Restaurants, per year	$6.00 and upwards

Stables:	
Private, for each horse or cow if water is in barn, per year	$2.00
Private, for each horse or cow if water is not in barn, per year	1.00
Livery and sale stables, for each stall, per year	2.00
Steam engines:	
Per h.p. up to 6, per year	4.00
Per h.p. above 6, per year	3.00
Per h.p. above 10, per year	2.00
Schoolhouses:	
Per scholar, per year	.05
Saloons, per year	10.00
Saloons, and supplying one family, per year	14.00
Saloons in connection with restaurants, per year	14.00
Saloons in connection with stores or boarding houses, per year	12.00
Soda fountains:	
Tumbler washers, per month	5.00
Fountain jets, per season	10.00
Stores:	
For sale of goods, except liquors, milk, or drugs, and not over 25 ft. wide and one story high, per year	$5.00 and over
Drug stores, per year	8.00
For each additional story used in connection with store, per year	1.50
For each additional 10 ft. in width, per year	1.50
Urinals:	
In private houses, stores, and offices, per year	2.00
In barber shops, saloons, hotels, and public places, per year	5.00
Vegetable fountains, per season	4.00
Water closets:	
In private houses, occupied, by one family, first, per year	3.00
In private houses, each additional, per year	1.00
In stores, banks, and offices, per year	4.00
In barber shops, saloons, hotels, and public places	6.00
Water troughs, special or meter rates	

Yard sprinklers:
For 60-ft. front or less, and for one building only, per season $3.00
For each additional 10 ft. or less, per season..... .30

Barnesville (1,353)

Municipal Plant

Source of supply, deep wells
Pumping, steam
Number of metered consumers, 85

Public service—
Number of hydrants, 17
No charges to the municipality

Commercial service—
Minimum bill, $5.00 per year
Meter rates:
First 1,000 gal., 50 cts. per 1,000
Next 4,000 gal., 40 cts. per 1,000
Next 5,000 gal., 35 cts. per 1,000
Next 5,000 gal., 30 cts. per 1,000
Next 10,000 gal., 28 cts. per 1,000
Next 10,000 gal., 25 cts. per 1,000
Next 10,000 gal., 20 cts. per 1,000
Next 50,000 gal., 15 cts. per 1,000
100,000 gal. and over, 12 cts. per 1,000 gal.
Meter rent, per month, 25 cts.

Baudette (897)

Municipal Plant

Source of supply, Rainy River
Pumping, steam
Number of metered consumers, 57
Public service—
Number of hydrants, 12

Commercial service—

Meter rates:

10,000 gal. or less monthly, per 100 gal	$0.05
10,000 to 20,000 gal. monthly, per 100 gal	.04
20,000 gal, or over monthly, per 100 gal	.03
For water sold from standpipes, hydrants, goosenecks or cocks, one barrel or less per day, per barrel	.05
1 to 5 barrels per day, per barrel	.04
5 to 10 barrels per day, per barrel	.03
100,000 gal. or over monthly, per 100 gal	.02
200,000 gal. or over monthly, per 100 gal	.01

Belle Plaine (1,204)

Municipal Plant

Source of supply, deep wells
Pumping, electricity
Number of metered consumers, 30
Number of flat rate consumers, 30 to 40

Public service—

Number of hydrants, 14

Commercial service—

Meter rates:

Less than 300 gal. per day, 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
1,000 gal. or more per day, 3 cts. per 100 gal.

Flat rates:

Bakeries, not exceeding 2 barrels per day	$5.00
Bakeries and restaurants combined	8.00
Banks	5.00
Barber shops, one chair	5.00
Each additional chair	2.00
Baths, private, one tub and wash basin	4.00
Baths, public, one tub	8.00
Each additional tub	4.00
Billiard halls	5.00

Blacksmith shops, one fire	$3.00
Each additional fire	2.00
Blacksmith shops, hose for setting tires	2.00
Boarding houses, one faucet	8.00
Each additional faucet	1.00
Building purposes, no permit less than	1.00
Laying brick, per 1,000, mason's measurement	.06
Laying stone, per cord, mason's measurement	.10
Plastering, per 100 yd., plasterer's measurement	.25
Churches, one faucet, but not parsonage	free
Dentists	6.00
Drug stores	6.00
Fountains, per season, not exceeding 6 months, 6 hours daily, 1/16-inch orifice	7.00
Hotels, special, rate to be fixed	
Laundries	10.00
Lawns and gardens, hose for sprinkling each lot, 50 x 142 ft.	3.00
Each additional lot or fraction thereof	1.00
Lumber yards	5.00
Meat markets, one faucet and use of hose	8.00
Motors	special
Offices and sleeping rooms	5.00
Photograph galleries	8.00
Public halls	5.00
Public schools	free
Printing offices, boiler extra	5.00
Restaurants	5.00
Residences, one family and one faucet	5.00
Each additional family using same faucet	4.00
Each additional faucet	.50
Saloons	9.00
Saloons, with restaurant connection	10.00
Shops and factories	special
Stables, private, for stock and washing buggies	10.00
Stables, livery	10.00
Stables, feed and sale	10.00
Stores, for store use only	5.00
Steam engines	special
Urinals, public	5.00

Urinals, private	$3.00
Wash basins, hotels and saloons, each	2.00
Water closets, private, each	3.00
Water closets, public, first one	5.00
Each additional one	3.00
Water closets, in banks, stores, and offices, private use	3.00
Water for beer pump	20.00

Bemidji (5,099)

Municipal Plant

Source of supply, wells
Pumping, suction pumps
Number of metered consumers, 370

Public service—

90 hydrants at $30.00 each per year
No other charges to municipality

Commercial service—

For first 10,000 gal. or fraction, 30 cts. per 1,000 gal.
Additional 10,000 gal. or fraction, 25 cts. per 1,000 gal.
Additional 10,000 gal. or fraction, 20 cts. per 1,000 gal.
Additional 10,000 gal. or fraction, 18 cts. per 1,000 gal.
Additional 10,000 gal. or fraction, 16 cts. per 1,000 gal.
Additional 50,000 gal. or fraction, 15 cts. per 1,000 gal.
Additional 100,000 gal. or fraction, 13 cts. per 1,000 gal.
Additional 100,000 gal. or fraction, 11 cts. per 1,000 gal.
All over 300,000 gal., 9 cts. per 1,000 gal.

Benson (1,677)

Municipal Plant

Source of supply, 2 8-inch wells, 166 ft. deep
Pumping, steam
Number of metered consumers, 163

Public service—

Number of hydrants, 30

Street sprinkling, $600.00 per year, of which the city pays half

Commercial service—

Minimum bill, $4.00 per year

Meter rates:

1 to 3,000 cu. ft. in 6 months, 20 cts.
3,000 to 5,000 cu. ft. in 6 months, 18 cts.
5,000 to 10,000 cu. ft. in 6 months, 16 cts.
10,000 to 25,000 cu. ft. in 6 months, 12 cts.
25,000 cu. ft. and over, 10 cts.

Biwabik (1,690)

Municipal Plant

Source of supply, mine drift. (See note below)
Pumping, steam
Number of metered consumers, 100
Number of flat rate consumers, 150

Public service—

27 hydrants at $72.00 per hydrant per year
No other charges to the municipality

Commercial service—

Meter rates:
20 cts. per 1,000 gal.
Flat rates:
50 cts. per month

Note: Water is obtained under contract from the Biwabik Mining Company at the rate of $100.00 per month for any amount necessary.

Blue Earth (2,319)

Municipal Plant

Source of supply, 2 deep wells
Pumping, steam
Number of metered consumers, 250

Public service—

60 hydrants at $30.00 each per year
Street sprinkling, $205.00 per year
Watering trough, $200.00 per year

Commercial service—

Meter rates:

Up to 20,000 gal., 30 cts. per 1,000 gal.
All over 20,000 gal. at 20 cts. per 1,000 gal.

Brainerd (8,526)

Municipal Plant

Source of supply, Mississippi River
Pumping, steam pump (average for 24 hours during 1913 was 1,437,378 gallons)
Number of metered consumers, 59
Number of flat rate consumers, 1,494

Public service—

105 hydrants, at a total annual rental of $2,100.00
No other charges for sprinkling or other services made to the municipality

Commercial service—

Meter rate:

40 cts. per 1,000 gal.

Flat rates:

4 rooms or less, per year	$7.00
5 rooms, per year	8.00
6 rooms, per year	9.00
7 rooms or more, per year	10.00
Bath rooms, per year	10.00

Breckenridge (1,840)

Municipal Plant

Source of supply, Red River of the North, Otter Tail River
Pumping, electric centrifugal pumps

Number of metered consumers, 29
Number of flat rate consumers, 412

Public service—

48 hydrants, $36.00 per hydrant per year
$100.00 per year for drinking fountain
No other charges to the municipality

Commercial service—

Meter rates:

1,000 cu. ft. or less, 25 cts. per 100 cu. ft.
1,000 to 2,000 cu. ft., 20 cts. per 100 cu. ft.
2,000 to 4,000 cu. ft., 15 cts. per 100 cu. ft.
4,000 to 15,000 cu. ft., 10 cts. per 100 cu. ft.
15,000 to 20,000 cu. ft., 7 cts. per 100 cu. ft.
20,000 or more cu. ft., 3 cts. per 100 cu. ft.
Minimum charge, 75 cts. per month; $1.00, including meter rent

Flat rates:

Water rentals, one tap	$10.00
Additional for 1 horse or cow	1.00
Each additional horse or cow	.50
Bath, per year	3.00
Closet, per year	1.50
Barber shop, for tap	10.00
Barber shop, for first tub	6.00
Each additional tub	4.00
Fee for tapping main	5.00
Fee for carrying water, per year	6.00

Brownton (509)

Municipal Plant

Source of supply, well
Number of metered consumers, 25
Number of flat rate consumers, 75

Public service—

Number of hydrants, 15

Commercial service—

Meter rates:

30 cts. per 1,000 gal.

Flat rates:

$5.00 per year for private homes
$1.00 for 1 head of stock
50 cts. for each additional head

Brooten (562)

Municipal Plant

Pumping, gasoline engine
Number of metered consumers, 6
Number of flat rate consumers, 30

Public service—

Number of hydrants, 6
Street sprinkling, per year, $30.00
No other charges to municipality

Commercial service—

Meter rate:

40 cts. per 1,000 barrels

Flat rate:

Lawn sprinkling only, $5.00

Browerville (633)

Municipal Plant

Number of flat rate consumers, 12
No metered consumers

Public service—

Number of hydrants, 10
No charges to municipality

Commercial service—

Flat rates:

All dwellings, $1.00 per month

Buhl (1,005)

Municipal Plant

Source of supply, 1 shaft well, 150 ft. deep; 1 drilled well, 302 ft. deep

Pumping, electricity

Number of flat rate consumers, 170

Public service—

21 fire hydrants, rental per quarter, $490.00

No charges for sprinkling or other service made to the municipality

Commercial service—

Flat rates:

For use in private family, per quarter	$1.50
For boarding houses, 10 rooms or less, per quarter	2.50
Each additional room	.75
Hotels	6.00
Saloons	4.50
Banks	2.25
Bakery	4.50
Billiard hall	2.25
Butcher shop	2.25
Laundry	6.00
Photograph gallery	3.00
Restaurant	4.50
Stores, shops not herein specified	2.25
Baths, public or private, not in barber shops	.75
Barber shop (1 chair)	1.50
Each additional chair	.75
Baths in barber shop, each	3.00
Watering horses, public or private	.75
Livery stables, boarding, 6 horses or less	4.50
Each additional horse	.50
Self-closing urinals	1.00
Water closets	1.25
Wash basins, each	.75
Use in Finn bath houses	1.50
For use in operating exploring drills, per month	30.00
For use in plastering, per sq. yd	.0½

For use in laying stone, per perch..... $0.07
For use in sprinkling sidewalks and to center of street, per quarter ..... .50

Caledonia (1,372)

Municipal Plant

Source of supply, well
Pumping, steam
Number of metered consumers, 223

Public service—

Number of hydrants, 20

Commercial service—

40 cts. per 100 cu. ft.

Cambridge (900)

Municipal Plant

Source of supply, well, 140 ft. deep
Pumping, electric power
Number of metered consumers, 125
Number of flat rate consumers, 4

Public service—

Number of hydrants, 15
No charge to municipality

Commercial service—

Meter rates:
First 10,000 gal., 40 cts. per 1,000
Every additional 10,000 gal., 35 cts. per 1,000
No minimum rate

Flat rates:

One faucet for culinary and drinking purposes, per year	$5.00
Bath tub, per year	2.00
Closet, per year	1.50
Lawn sprinkling, per season	3.00

No discounts; 10% penalty for late payment

Canby (1,528)

Municipal Plant

Source of supply, wells
Pumping, electricity and gasoline engines
Number of metered consumers, 140
No flat rate consumers

Public service—

Number of hydrants, 35
No charges to municipality

Commercial service—

Meter rates:

$1.50 per 1,000 cu. ft.
No discounts

Cannon Falls (1,385)

Municipal Plant

Source of supply, 6-in. artesian well
Pumping, gasoline engine with Gould triplex pump
Number of metered consumers, 53

Public service—

Number of hydrants, 17
No charges to municipality for public services

Commercial service—

Minimum monthly bill, 30 cts.
Less than 1,000 cu. ft., 30 cts. per 100 cu. ft.
1,000 to 2,000 cu. ft., 22 cts. per 100 cu. ft.
2,000 to 4,000 cu. ft., 15 cts. per 100 cu. ft.
4,000 to 15,000 cu. ft., 11 cts. per 100 cu. ft.
15,000 cu. ft. and over, 10 cts. per 100 cu. ft.
It is provided that the charge for water at the above rates shall in no case exceed an amount equal to the charge for the minimum quantity at the next lower rate.

Cass Lake (2,011)

Cass Water, Light and Power Company

Source of supply, wells
Pumping, steam
Number of flat rate consumers, 150

Public service—

Number of hydrants, 20
$83.33 per hydrant per year

Commercial service—

"We have no set flat rates on water and have to go by the amount of water used, openings, etc.; hence cannot supply you with rates." (Statement of manager of C. W., Lt. & P. Co.)

Chatfield (1,228)

Municipal Plant

Source of supply, reservoir
Pumping, Cook steam pump
Number of flat rate consumers, 200

Public service—

Number of hydrants, 34

Commercial service—

Flat rates:

Family, per year	$5.00
Bath and closet extra, per year	5.00

Chisholm (7,684)

Municipal Plant

Source of supply, mines
Pumping, steam and electricity
Number of flat rate consumers, 1,200

Public service—

Number of hydrants, 100
No charges to municipality

Commercial service—

Flat rates:

Hotels, per year	$48.00
Boarding houses, per year	36.00
Saloons, per year	30.00
Steam laundry, per year	120.00
Hand laundry, per year	36.00
Barber shop, per year	12.00
Residence, per year	6.00
$1.00 additional for each bath tub and $1.00 additional for each water closet	
Public bath house, per tub, per year	12.00
Lodge rooms, per year	6.00
Livery stables, per year	18.00
For each additional horse kept therein, per year	2.00
Private barns, for each horse or cow, per year	2.00
Lawn sprinkler, 10 cts. for each lineal front foot	
Banks, meat markets, stores, and other places of business, per year	6.00
Saloons in hotels or boarding houses, additional from house	
Restaurants, per year	18.00
Fountain, per year	12.00

Clara City (587)

Municipal Plant

Source of supply, well

Pumping, gasoline engine and single-cylinder pump

Number of flat rate consumers, 30

Public service—

Number of hydrants, 15

Commercial service—

Flat rates:

Baths in dwelling, per year	$2.50
Blacksmith shop, one fire, per year	2.50
Each additional fire, per year	1.00
Churches, per year	2.50

Dentist's office, per year	$4.00
Dwellings, 6 rooms or less, per year	5.00
Each additional room, per year	.25
Meat markets, per year	5.00
Offices, single, per year	2.00
Photograph galleries, per year	3.00
Stables, private, each cow or horse, per year	1.00
Saloons, per year	8.00
Urinals, private, per year	1.00
Urinals, public, or barber shops, per year	3.00
Wash bowls, per year	1.00
Sprinkling, per 50-ft. front, per year	.75

Manufactories, mill, lumber yards, etc., special rates fixed by village council

Clarkfield (603)

Municipal Plant

Source of supply, tubular well
Pumping, gasoline engine to elevated tank
Number of metered consumers, 6

Public service—

Number of hydrants, 4

Commercial service—

Meter rates:

50 cts. per 1,000 gal.

Cloquet (7,031)

Municipal Plant

Source of supply, springs
Pumping, electricity
Number of metered consumers, 770

Public service—

Number of hydrants, 105
No charges of any kind made to the municipality

Commercial service—

Meter rates:

First	1,000 gal. or fraction thereof,	50 cts. per 1,000 gal.
Next	4,000 gal. or fraction thereof,	40 cts. per 1,000 gal.
Second	5,000 gal. or fraction thereof,	35 cts. per 1,000 gal.
Second	10,000 gal. or fraction thereof,	30 cts. per 1,000 gal.
Third	10,000 gal. or fraction thereof,	28 cts. per 1,000 gal.
Fourth	10,000 gal. or fraction thereof,	25 cts. per 1,000 gal.
Fifth	10,000 gal. or fraction thereof,	20 cts. per 1,000 gal.
Second	50,000 gal. or fraction thereof,	15 cts. per 1,000 gal.
Second	100,000 gal. or fraction thereof,	12 cts. per 1,000 gal.
Third	100,000 gal. or fraction thereof,	10 cts. per 1,000 gal.
Fourth	100,000 gal. or fraction thereof,	9 cts. per 1,000 gal.

Special rates:

Water used for building purposes, cement, tile or artificial sidewalks, 250 sq. ft. or less	$0.20
All over 250 sq. ft., per 100 sq. ft.	.07
Brick work, per 1,000	.05
Stone work, per 100 cu. ft.	.10
Plastering, per 100 sq. yd. or less	.20
Concrete, per 50 cu. yd. or less	.50
Each additional cu. yd.	.01
Provided that no water shall be supplied for any of the above named purposes for less than	1.50
Settling trenches, each 100 lineal ft.	1.50
Flushing sewers, per 100 lineal ft. up to 8 in. in size	1.00
Flushing sewers, per 100 lineal ft. in excess of 8 in. in size	2.00

When water is supplied by two or more meters to one consumer or to two or more premises owned by one person, firm, or corporation, the readings will not be combined, but a bill will be rendered for the whole amount of water used as registered by each meter separately according to the regular meter rates provided in this ordinance.

Cold Spring (594)

Municipal Plant

Source of supply, springs

Pumping, gasoline engine to tank 125 ft. high
Number of metered consumers, 25
No flat rate consumers

Public service—

Number of hydrants, 17

Commercial service—

Minimum bill, 50 cts. per month

Meter rates:

10 cts. per 1,000 cu. ft.

Coleraine (1,613)

Oliver Iron Mining Company

Source of supply, water veins and underground mining drifts
Pumping, steam pumps at the bottom of the shafts, about 190 ft. deep
Number of flat rate consumers, 150

Public service—

Number of hydrants for fire, 39
Number of hydrants for public service hydrants, 13
Rental, per year, per hydrant, $60.00
No charge for street sprinkling
Faucets and fixtures in city hall, per year, $60.00

Commercial service—

Flat rates:

Dwelling, 1 faucet, per year	$5.00
Additional faucets, each, per year	.50
Public bath, 1 tub, per year	8.00
Additional tub, each, per year	3.00
Private bath, each, per year	3.00
Water closets, public, each, per year	5.00
Water closets, private, each, per year	3.00
Urinals, each, per year	3.00
Barber shop, 1 chair, per year	4.00
Additional chairs, per year	2.00
Saloon, per year	10.00

Boarding house, 1 faucet, per year	$10.00
Additional faucets, each, per year	1.00
Offices, per year	3.00
Public stables, per head, per year	2.00
Private stables, each, per year	2.00
Sleeping rooms, per occupant, per year	1.50
Sprinkler, yard, per year	3.00
Sprinkler, street, per year	1.50
Dry goods, hardware, jewelry stores, each, per year	3.00
Grocery, meat market, drug store, per year	4.00
Blacksmith shop, per year	2.00
Soda fountain, per year	5.00
Bakery, per year	5.00
Laundry, per year	20.00
Dentist, per year	4.00
Billiard hall, per year	3.00
Washing carriages, each, per year	.50

Crookston (7,559)

Crookston Water Works, Power and Light Company

Source of supply, artesian wells and the Red Lake River
Number of metered consumers, 800

Public service—

98 hydrants at $80.00 and $100.00 per year each
Street sprinkling, 10 cts. per 1,000 gal.
City hall, sewer and street flushing water free

Commercial service—

Meter rates:

First 1,000 gal. or fraction thereof, 50 cts.
Next 4,000 gal. or fraction thereof, 40 cts. per 1,000 gal.
Second 5,000 gal. or fraction thereof, 35 cts. per 1,000 gal.
Second 10,000 gal. or fraction thereof, 30 cts. per 1,000 gal.
Third 10,000 gal. or fraction thereof, 28 cts. per 1,000 gal.
Fourth 10,000 gal. or fraction thereof, 25 cts. per 1,000 gal.
Fifth 10,000 gal. or fraction thereof, 20 cts. per 1,000 gal.
Second 50,000 gal. or fraction thereof, 15 cts. per 1,000 gal.
Second 100,000 gal. or fraction thereof, 12 cts. per 1,000 gal.

Third 100,000 gal. or fraction thereof, 10 cts. per 1,000 gal.
Fourth 100,000 gal. or fraction thereof, 9 cts. per 1,000 gal.
Fifth 100,000 gal. or fraction thereof, 8 cts. per 1,000 gal.

Delano (1,031)

Municipal Plant

Pumping, steam
Number of metered consumers, 135

Public service—

Number of hydrants, 28

Commercial service—

Minimum bill, 25 cts.
Meter rates:
20 cts. per 1,000 gal.
No discounts allowed

Detroit (2,807)

Municipal Plant

Source of supply, Detroit Lake
Pumping, two electrically driven pumps
Number of metered consumers, 4
Number of flat rate consumers, 185

Public service—

Number of hydrants, 42
Rental charge, per hydrant, per year, $40.00
No charge for water for street sprinkling or fire protection

Commercial service—

Meter rates:

1,200 cu. ft. or less, 40 cts. per 100 cu. ft.
1,200 cu. ft. to 2,000 cu. ft., 30 cts. per 100 cu. ft.
2,000 cu. ft. to 4,000 cu. ft., 20 cts. per 100 cu. ft.
4,000 cu. ft. to 12,000 cu. ft., 15 cts. per 100 cu. ft.
12,000 cu. ft. to 15,000 cu. ft., 11 cts. per 100 cu. ft.
15,000 cu. ft. to 20,000 cu. ft., 7 cts. per 100 cu. ft.
In excess of 20,000 cu. ft., 5 cts. per 100 cu. ft.

Payments for all water used on a flat rate must be made in advance and on or before the 1st day of July of each year
Hours for sprinkling, 6:00 to 8:00 a.m. and 5:00 to 9:00 p.m.

Flat rates:

Baths, private, 3 or more in family	$3.00
Baths, private, less than 3 in family	2.00
Baths, public	5.00
Barber shop, first chair and basin	4.00
Each additional chair	2.00
Barns	special
Closet, private, 3 or more in family	3.00
Less than 3 in family	2.00
Closet, public	5.00
Dentist, chair	5.00
Foot tub	1.00
Faucet, 1 connection	special
Garage, wash rack	25.00
Livery stable	special
Lavatories, private	1.00
Lavatories, public	2.00
Lawn, 50 ft	5.00
Each additional 25 ft	1.00
Photograph gallery	3.00
Steam plant for heating	5.00
Steam plant for power	15.00
Set tub	1.00
Sink	1.00
Soda fountain	special
Saloon, beer pump	10.00
Urinal, self-closing	1.00
Urinal, public, continuous	5.00

Duluth (78,466)

Municipal Plant

Source of supply, Lake Superior
Pumping, centrifugal pumps

Number of metered consumers, 7,000
Number of flat rate consumers, 3,000

Public service—

987 hydrants at $50.00 each per year
Street sprinkling, street washing, fountains and flushing sewers at regular meter rates

Commercial service—

Meter rates:

First 10,000 cu. ft., 15 cts. per 100 cu. ft.
Next 10,000 cu. ft., 12 cts. per 100 cu. ft.
All over, 8 cts. per 100 cu. ft.
Minimum bill, 50 cts. per month
For water used for elevators, motors, swimming pools, and for cooling and refrigerating machinery:
First 1,000 cu. ft., 15 cts. per 100 cu. ft.
Next 1,000 cu. ft., 12 cts. per 100 cu. ft.
All over, 8 cts. per 100 cu. ft.
Minimum bill, 50 cts.
Service separately metered
Private skating rinks, 10 cts. per 100 cu. ft., based on excess registration
Public skating rinks, 8 cts. per 100 cu. ft.
For lawn sprinkling, 6 cts. per 100 cu. ft.; to be used only between 6:00 p.m. and 6:00 a.m., months of June, July, August, and September
Leakages and bleeders, 8 cts. per 100 cu. ft.

Flat rates:

Private fire protection services, ready-to-serve charge:

2-in. connection, per month	$2.00
3-in. connection, per month	3.00
4-in. connection, per month	4.00
5-in. connection, per month	5.00
6-in. connection, per month	6.00
8-in. connection, per month	8.00

No charge for water actually used in extinguishing fires
For turning off water services, no charge
For turning on water services, 50 cts.

East Grand Forks (2,533)

Municipal Plant

Source of supply, Red River
Pumping, steam
Number of metered consumers, 250

Public service—
Number of hydrants, 68

Commercial service—
Meter rates:

Gallons	Amount	Gallons	Amount
1,000	$0.65	26,000	$11.15
2,000	1.30	27,000	11.50
3,000	1.80	28,000	11.85
4,000	2.30	29,000	12.20
5,000	2.80	30,000	12.55
6,000	3.25	31,000	12.85
7,000	3.70	32,000	13.15
8,000	4.15	33,000	13.45
9,000	4.60	34,000	13.75
10,000	5.05	35,000	14.05
11,000	5.45	36,000	14.35
12,000	5.85	37,000	14.65
13,000	6.25	38,000	14.95
14,000	6.65	39,000	15.25
15,000	7.05	40,000	15.55
16,000	7.45	41,000	15.80
17,000	7.85	42,000	16.05
18,000	8.25	43,000	16.30
19,000	8.65	44,000	16.55
20,000	9.05	45,000	16.80
21,000	9.40	46,000	17.05
22,000	9.75	47,000	17.30
23,000	10.10	48,000	17.55
24,000	10.45	49,000	17.80
25,000	10.80	50,000	18.05

For all quantities more than 50,000 gal., add 20 cts. for each additional 1,000 gal. or fraction thereof, to the last amount above stated

A fraction of 1,000 gal. is charged as 1,000 gal.

Elbow Lake (776)

Municipal Plant

Source of supply, 8-in. well
Pumping, steam and gasoline engines
Number of metered consumers, 96
Number of flat rate consumers, 93

Public service—

Number of hydrants, 22
No charges for public service

Commercial service—

Minimum bill, $5.00 per year
Meter rates:

Less than 1,000 gal. per day, 15 cts. per 1,000 gal.
1,000 and less than 2,000 gal. per day, 13 cts. per 1,000 gal.
2,000 and less than 4,000 gal. per day, 11 cts. per 1,000 gal.
4,000 and less than 7,000 gal. per day, 10 cts. per 1,000 gal.
7,000 and less than 10,000 gal. per day, 9 cts. per 1,000 gal.
10,000 and less than 14,000 gal. per day, 8 cts. per 1,000 gal.
14,000 and less than 18,000 gal. per day, 7 cts. per 1,000 gal.
All over 18,000 gal. per day, 6 cts. per 1,000 gal.

Consumer furnishes the meter

Flat rates:

Bakery, per barrel flour used per day, per year	$3.00
(None less than $5.00 per year)	
Banks, stores, and offices, per year	5.00
Barber shops, first chair, per year	3.00
Each additional chair, per year	2.00
Bath tubs, private, per year	2.00
Bath tubs, public, per year	6.00
Each additional, per year	2.00
Blacksmith shops, per year	5.00
Billiard halls, per year	5.00
Breweries, per year	30.00
Building purposes, per barrel lime, per year	.05
Yard sprinkling, lot 50 x 124 ft., per season	1.50
Each additional front foot, per season	.02
Fountains, 1/16-inch jets, 6 hours per day, per season	8.00

Hotels and boarding houses, each room less than 10, per year	$1.00
Each additional room, per year	.50
Laundries, machine shops, public halls	special
Printing offices, boilers extra, per year	5.00
Pop factories, per year	10.00
Produce stores, per year	8.00
Saloons, per year	8.00
Stables, private, 1 horse or cow, per year	1.00
Each additional horse or cow, washing buggies included, per year	.50
Stables, livery, for 8 horses or less, per year	8.00
Each additional head, per year	.50
Washing buggies, per year	6.00
Steam engine	special
Water closets, private, per year	2.00
Water closets, hotels, saloons, or public places, per year	5.00
Photograph galleries, per year	5.00
Filling cisterns, per year	special

Ellsworth (536)

Municipal Plant

Source of supply, well

Pumping, electricity with auxiliary gas engine in case of failure; pumping into cement cistern, gas engine pumping into pressure tank

Number of metered consumers, 14

Number of flat rate consumers, 18

Public service—

Number of hydrants, 9

No charge for water for sprinkling or rental of hydrants

Commercial service—

Minimum bill, 75 cts.

Meter rate:

75 cts. per 100 cu. ft.

Flat rate:

75 cts. per month

No discounts

Elmore (795)

Municipal Plant

Source of supply, 6-in. well, 115 ft. deep

Pumping, gasoline engine

Number of flat rate consumers, 75

Public service—

Number of hydrants, 16

Commercial service—

Flat rates:

Building purposes:	
Laying stone, per perch (mason's measurement)	$0.02
Laying brick, per 1,000 (mason's measurement)	.10
Plastering, per 100 yd. (plasterer's measurement)	.40
Bakeries, per year, h.p. boilers extra	6.00
Blacksmith shops, 2 fires or less, with gasoline engine in connection, per year	8.00
Each additional fire over 2	1.00
Blacksmith shop without engine	5.00
Banks, per year	4.00
Barber shops, first chair, per year	3.00
Second chair, per year	1.00
Each additional chair, per year	1.00
Baths, private houses, first bath, per year	1.00
Each additional bath, per year	1.00
Hotels and boarding houses, per year	6.00
Public, per year, first	8.00
Each barber shop bath	3.00
Hotels and boarding houses, per year	10.00
Carriage shops, 5 persons or less, per year	5.00
Each additional person, per year	.50
Public hall for lodges, etc., per year	2.00
Extra for fires (see blacksmith shops)	
Churches, free except for motors	

Dental offices, per year	$4.00
Dye shops, per year	$15.00 to 50.00
Dwellings, each, per year	4.00
Drug stores, per year	4.00
Fountains, per season, not to exceed 5 months, 6 hours per day, 1/16-inch orifice	8.00
$\frac{1}{8}$-inch orifice	15.00
3/16-inch orifice	30.00
$\frac{1}{4}$-inch orifice	50.00
$\frac{1}{2}$-inch orifice	100.00
Laundries, per year	$10.00 and upward
Gas engine, where tanks are used, 7 h.p. or less, per year	5.00
Over 7 h.p., per year	10.00
Where water connection is made with engine by meter measurement	
Manufacturing, h.p. boilers extra:	
10 hands or less, per year	5.00
Each additional hand up to 20, per year	.50
Each additional hand beyond 20, per year	.25
Meat markets	6.00
Offices and sleeping rooms:	
First room, per year	2.00
Second room, per year	1.00
Each additional room, per year	1.00
(To be charged to landlord or lessee of lower floor)	
Printing offices, h.p. boilers, extra, per year	$3.00 and upward
Photograph galleries, per year	6.00
Restaurants, per year	$6.00 and upward
Supplying one family in connection with restaurant, per year	8.00
In connection with store or boarding house, per year	6.00
Saloons, 1 tap, per year	6.00
Stables, private, per head of stock kept per year, each	.50
Livery and sale stables, per year	10.00

Steam engines, per h.p. up to 6, per year	$4.00
Per h.p. above 6, per year	3.00
Per h.p. above 10, per year	2.00
Schoolhouses, per year	2.00
Stores, for sale of goods and not over 25 ft. wide and one story high, per year	$4.00 and over
Urinals, in private houses, stores, and offices, per year	2.00
In barber shops, hotels, and public places, per year	5.00
Vegetable fountains, per season	4.00
Water closets, in private houses, occupied by one family, first, per year	2.00
In private houses, each additional, per year	.50
In stores, banks, and offices, per year	3.00
In barber shops, hotels, and public places	5.00
Water troughs, special or meter rates	
Yard sprinklers, for 60-ft. front or less and for one building only, per season	3.00
For each additional 10 ft. or less, per season	.30
Building, water by the tank	.25

Eveleth (7,036)

Municipal Plant

Source of supply, St. Mary's Lake
Pumping, triple expansion steam pump
Number of metered consumers, 30
Number of flat rate consumers, 1,250

Public service—

65 hydrants at $50.00 each per year
Municipality charged as follows:
All water used in its public buildings, $30.00 per year
Auditorium, $30.00 per year
Library, $30.00 per year
Parks, $150.00 per year
Sanitary drinking fountains, 4 at $90.00 each, $360.00 per year
Fire stations, each, per year, $50.00

Commercial service—

Flat rates:

Hotels, from $36.00 to $150.00, including bath tubs and water closets, according to the number of persons accommodated

Boarding houses, from $15.00 to $36.00, including bath tubs and water closets, according to the number of persons accommodated

Lodge rooms, including bath tubs and water closets, $8.00

Steam laundries, from $50.00 to $100.00, according to capacity

Hand laundries	$30.00
Barber shops	10.00
Residents	6.00
Tenements or flats, per family	6.00
Private water closets	1.00
Public water closets	5.00
Private bath tub	1.00
Public bath tub	5.00

Livery stables, $1.00 for each horse and $1.00 for each carriage or buggy, but not to exceed $50.00 in any one year

Private or public barns, $1.00 for each horse, but not to exceed $50.00 in any one year

Banks	4.00
Saloons, including water closets	20.00
Jewelry stores	4.00
Clothing stores	4.00
Dry goods stores	4.00
Millinery stores	4.00
Tailor shops	4.00
Shoe shops	2.00
Hardware stores	4.00
Harness shops	4.00
Grocery stores	8.00
Meat markets	8.00
Photograph galleries	12.00
Pop factories	18.00

Public bath houses, from $24.00 to $50.00, according to size	
Printing offices	$8.00
Restaurants, from $15.00 to $75.00, according to the number accommodated	
Drug stores	8.00
Confectionery stores, without a fountain	4.00
With a fountain	8.00
Hospitals	40.00
Doctor's offices	6.00
Dentist's offices	6.00
Law offices, etc., for each occupant	1.00
Steam engines, 25 cts. per h.p.	
Factories for 10 persons and less	4.00
For each additional person	.25
Persons using water for building purposes shall pay the following rates:	
For each 1,000 bricks laid	.10
For 100 sq. yd. of plastering	.25
Stone walls, per cord of stone in wall	.10

Meter rates:

150,000 gal. and less per quarter, 15 cts. per 1,000 gal.

150,000 gal. to 1,000,000 gal. per quarter, 12½ cts. per 1,000 gal.

Over 1,000,000 gal. per quarter, 10 cts. per 1,000 gal., provided, however, that the minimum rate per quarter for each meter shall be the sum of $1.00

Excelsior (1,015)

Municipal Plant

Source of supply, Lake Minnetonka

Pumping, electric motor

Public service—

Number of hydrants being installed, 25 to 30

At the time of this statement this plant was in process of construction

FAIRFAX (815)

Municipal Plant

Source of supply, well
Pumping, electricity

Public service—

Number of hydrants, 15
No charge to the municipality

Commercial service—

Meter rate:

5 cts. per 100 gal.
Few parties using city water

FAIRMONT (2,958)

Municipal Plant

Source of supply, lake
Pumping, electrically driven centrifugal pumps
Number of metered consumers, 290

Public service—

51 hydrants at $40.00 each per year

Commercial service—

Rates not given

FARIBAULT (9,001)

Municipal Plant

Source of supply, artesian and shallow wells
Pumping, steam
Number of metered consumers, 784

Public service—

Number of hydrants, 119
No charges to municipality

Commercial service—

Meter rates:

5,000 cu. ft. or less per month, 30 cts. per 100 cu. ft.

5,000 cu. ft. to 15,000 cu. ft. per month, 20 cts. per 100 cu. ft.

15,000 cu. ft. to 30,000 cu. ft. per month, 10 cts. per 100 cu. ft.

Above 30,000 cu. ft. per month, 7½ cts. per 100 cu. ft.

No consumer to be charged an amount exceeding the minimum charge under the next lower rate

Farmington (1,024)

Municipal Plant

Source of supply, 5 drive wells with 6-in. point
Pumping, gasoline engine
Number of flat rate consumers, 48

Public service—

Number of hydrants, 20

Commercial service—

Flat rates:

Residences, per month	$0.50
Hotels, restaurants, livery barns, etc., per month	1.00

Fergus Falls (6,887)

Municipal Plant

Source of supply, Red River
Number of flat rate consumers, 875
No metered consumers

Public service—

87 hydrants at $50.00 each per year

Commercial service—

Flat rates:

Faucet in kitchen	$6.00
Bath	3.00
Closet	3.00
Sprinkling	3.00

Fertile (614)

Municipal Plant

Source of supply, artesian well
Pumping, gasoline engine
Number of flat rate consumers, 74

Public service—
Number of hydrants, 18
No charges to municipality

Commercial service—
Flat rates:

Livery barns, per year	$24.00
Hotels, one faucet, per year	15.00
Each additional faucet, per year	2.50
Residences without cisterns, per year	6.00
Residences with cisterns, per year	5.00
Barber shops, one chair, per year	6.00
Each additional chair, per year	2.00
Restaurants, per year	10.00
Drug stores, butcher shops, bakeries, per year	8.00
Banks and stores, per year	6.00
Fountains, 6 hours per day or less:	
1/16-in. jet, per season	5.00
⅛-in. jet, per season	10.00
Horse or cow, per year	1.50
One horse and washing carriages, per year	3.00
Halls, laundries, lumber yards, manufactories, motors	special

Bills payable quarterly

Fosston (1,075)

Municipal Plant

Source of supply, wells
Pumping, steam
Number of flat rate consumers, 50

Public service—
Number of hydrants, 14
No charges made to municipality

Commercial service—

Flat rates:

Residences, per year	$5.00
Livery barns	15.00
Hotels	15.00
Creamery	36.00
Hospital	10.00

No discounts for cash or prompt payment

Fulda (743)

Municipal Plant

Source of supply, deep well, capacity 100 gal. per minute
Pumping, by means of engine into tank 100 ft. high
Number of flat rate consumers, 38
Number of metered consumers, 8

Public service—

Number of hydrants, 17

Commercial rates—

Minimum bill, 25 cts. per quarter for stock; $1.25 per quarter for house

Meter rates:

Less than 300 gal. per day, 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
500 to 1,000 gal. per day, 3½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 2½ cts. per 100 gal.
5,000 to 10,000 gal. per day, 2 cts. per 100 gal.
Over 10,000 gal. per day, special rates
Consumer to furnish meter

Flat rates:

Barber shop, first chair, per year	$5.00
Each additional chair, per year	1.00
Bakeries, per year	5.00
Blacksmith shops, two fires or less, per year	5.00
Each additional fire over two, per year	1.00
Hose for setting tires, per year	3.00

Baths:	
Private house, first bath, per year	$3.00
Each additional bath, per year	1.00
Hotels and boarding houses, per year	6.00
Public, first, per year	8.00
Each additional, per year	5.00
Hotels and boarding houses:	
For each room less than 10, per year	1.50
For each additional room over 10, per year	1.00
Carriage shops:	
5 persons or less, per year	5.00
Each additional person, per year	.50
Extra for fires (see blacksmith shops)	
Churches, free except for motors	
Dental offices, per year	5.00
Dye shops	$15.00 to 50.00
Dwellings:	
Each private occupied by one family, 5 rooms or less, per year	5.00
Each additional room, per year	.75
Fountains:	
1/16-in. orifice, per year	8.00
$\frac{1}{8}$-in. orifice, per year	15.00
3/16-in. orifice, per year	30.00
$\frac{1}{4}$-in. orifice, per year	50.00
$\frac{1}{2}$-in. orifice, per year	100.00
Laundries, per year	$10.00 and upward
Gas engines:	
Where tanks are used, 7 h.p. or less, per year	5.00
Over 7 h.p., per year	10.00
Water connection with engine, by meter measurments	
Manufacturing:	
H.p. boilers extra	
10 hands or less, per year	5.00
Each additional hand up to 20, per year	.50
Each additional hand beyond 20, per year	.25
Meat markets, per year	8.00
Offices and sleeping rooms:	
First room, per year	3.00

Second room, per year	$2.00
Each additional room, per year	1.00
Printing offices, per year	6.00
Photograph galleries, per year	5.00
Restaurants, per year	8.00
Stables:	
Private, for each horse or cow, per year	1.00
Livery and sale stables, for each stall, per year	1.25
Steam engines, per year	special
Schoolhouse, per year	special
Saloons, per year	12.00
Soda fountains, per year	10.00
Tumbler washers, per year	5.00
Stores:	
For sale of goods except liquor, milk, drugs, 25 ft. front, one story high, per year	6.00
Each additional story used in connection with store, per year	1.50
Each additional 10 ft. in width, per year	1.50
Drug stores, per year	8.00
Water closets:	
In private houses, one family, first, per year	3.00
Each additional family, per year	1.00
Urinals:	
In private houses, stores, and offices, per year	2.00
In barber shops, saloons, hotels, and public places, per year	5.00
Vegetable fountains, per year	4.00
In stores, banks, and offices, per year	4.00
In barber shops, saloons, and public places, per year.	6.00
Water troughs	special or meter rates
Yard sprinklers:	
For one building and yard of 50-ft. front, per year	5.00
For each additional 10 ft. or less, per year	.50

Glencoe (1,788)

Municipal Plant

Source of supply, well (1,500 ft. deep, water within 90 ft. of surface)

Pumping, electricity
Number of metered consumers, 201

Public service—

Number of hydrants, 40
No charges to municipality
Street sprinkling, 1½ cts. per front foot tax on property owners

Commercial service—

Meter rates:
First 5,000 gal., 15 cts. per 1,000 gal.
Next 30,000 gal., 20 cts. per 1,000 gal.
30,000 to 300,000 gal., 15 cts. per 1,000 gal.
300,000 to 600,000 gal., 12½ cts. per 1,000 gal.
Over 600,000 gal., 10 cts. per 1,000 gal.
Minimum charge, $1.50 per quarter

Glenwood (2,161)

Municipal Plant

Source of supply, springs above city
Pumping, no pumping, 70 pounds gravity pressure
Number of metered consumers, 300
Number of flat rate consumers, 25

Commercial service—

Minimum bill, $1.25 for each quarter

Meter rates:
First 10,000 gal., 25 cts. per 1,000 gal.
Next 10,000 gal., 20 cts. per 1,000 gal.
Next 20,000 gal., 15 cts. per 1,000 gal.
Next 20,000 gal., 10 cts. per 1,000 gal.
All in excess of 60,000 gal., 7 cts. per 1,000 gal.

Graceville (987)

Municipal Plant

Source of supply, 1 8-in. and 1 6-in. well, each 500 ft. deep
Pumping, electric power

Number of metered consumers, 225

Public service—

Number of hydrants, 21
No charges to the municipality

Commercial service—

Meter rates:

Less than 300 cu. ft., 80 cts. per 100 cu. ft.
300 less than 500 cu. ft., 75 cts. per 100 cu. ft.
500 less than 750 cu. ft., 70 cts. per 100 cu. ft.
750 less than 1,000 cu. ft., 65 cts. per 100 cu. ft.
1,000 less than 1,500 cu. ft., 60 cts. per 100 cu. ft.
1,500 less than 2,000 cu. ft., 55 cts. per 100 cu. ft.
2,000 less than 3,000 cu. ft., 50 cts. per 100 cu. ft.
3,000 less than 5,000 cu. ft., 45 cts. per 100 cu. ft.
5,000 less than 10,000 cu. ft., 40 cts. per 100 cu. ft.
10,000 less than 20,000 cu. ft., 35 cts. per 100 cu. ft.
20,000 less than 50,000 cu. ft., 30 cts. per 100 cu. ft.
50,000 less than 100,000 cu. ft., 25 cts. per 100 cu. ft.
Minimum bill, $8.00 per year

Grand Meadow (552)

Municipal Plant

Source of supply, well, 150 ft. deep
Pumping, gas engine
Number of flat rate consumers, 50

Public service—

Number of hydrants, 15

Commercial service—

Flat rates:

$5.00 per year for residences
$10.00 per year for hotels, livery stables, garages

Hallock (910)

Municipal Plant

Source of supply, Two Rivers
Pumping, gasoline engine, average for 24 hours, 64,000 gal.
Number of metered consumers, 3
Number of flat rate consumers, 75

Public service—

Number of hydrants, 17

Commercial service—

Meter rates:

100 to 500 gal. per day, 5 cts. per 100 gal.
500 to 1,500 gal. per day, 4 cts. per 100 gal.
1,500 to 3,000 gal. per day, 3½ cts. per 100 gal.
3,000 to 5,000 gal. per day, 3 cts. per 100 gal.
5,000 to 10,000 gal. per day, 2½ cts. per 100 gal.
10,000 or more gal. per day, 2 cts. per 100 gal.
Rent of meter in addition to the above rates, $2.00 per year
No meter rates to be less than $5.00 per year

Flat rates:

Banks, with one basin	$5.00
Bakery, one oven	10.00
Each additional oven	5.00
Barber shops, one chair	8.00
Each additional chair	4.00
Bath, without heating apparatus, private	4.00
Bath, with heating apparatus, private	5.00
Bath, in boarding house or hotel, one tub	10.00
Each additional tub	6.00
Bath, public	special
Billiard hall, one table	5.00
Each additional table	2.00
Boarding house	$8.00 to 20.00
Brick work, per 1,000 laid	.10
Butcher shop, steam extra	10.00
Blacksmith shop, one fire	4.00
Each additional fire	3.00
Cows, each	2.00
Fountain, 1/16-in. orifice, per season	12.00

Fountain, larger orifice, per season	special
Drug store	$8.00
Dentist, one basin	5.00
Doctor, one basin	5.00
Halls and lodges	5.00
Horse, one, including washing carriage	5.00
Each additional	2.00
Hotels	special
Ice cream saloons	$5.00 to 15.00
Laundry	special
Lumber yards	5.00
Lawn, 1 lot, 50 x 140	3.00
Each additional lot	1.00
Motors	special
Offices or sleeping rooms	5.00
Printing office, 6 hands or less, engine extra	10.00
Photograph gallery	10.00
Plastering, per sq. yd	.05
Restaurant	$10.00 to 20.00
Residence, one faucet	5.00
Each additional faucet	1.00
Each additional family	5.00
Saloons	15.00
Sprinkling private gardens, $\frac{3}{4}$-in. hose, $\frac{1}{2}$-in. nozzle, first 50 yd., per sq. yd., per season	.04
Sprinkling, all over 50 yd., per sq. yd	.02
Sprinkling sidewalk to center of street, $\frac{3}{4}$-in. hose, $\frac{1}{8}$-in. nozzle, $1\frac{1}{2}$ hours a day, per front foot, per season	.10
Over 100-ft. front, per foot	.07
Stable, livery, sale or boarding, 6 horses or less, including carriage washing	15.00
Each additional stall	2.00
Steam boilers	special
Stone work, per perch	.07
Stores and shops, one faucet	5.00
Each additional faucet	2.00
Urinals, in private house, self-closing, each	4.00
Urinals, in stores, banks, and offices, self-closing	5.00

Urinals, in hotels, boarding houses, and saloons, self-closing	special
Water closets, private	$3.00
Water closets, public	5.00
Each additional	3.00
Water closets, banks, stores, and offices, for private use	3.00
Water basin	5.00

Hancock (524)

Municipal Plant

Source of supply, 8-in. well, 115 ft. deep
Pumping, gas engine
Number of metered consumers, 7
Number of flat rate consumers, 72

Public service—

Number of hydrants, 20
No charge to the municipality

Commercial service—

Meter rates:

Less than 300 gal. daily, 40 cts. per 1,000 gal.
300 to 500 gal. daily, 35 cts. per 1,000 gal.
500 to 1,000 gal. daily, 30 cts. per 1,000 gal.
Over 1,000 gal. per day, 25 cts. per 1,000 gal.
All meter rates shall be payable monthly and no meter rate shall be less than $5.00 per year

Flat rates:

Bakeries, not exceeding 2 barrels per day	$8.00
Bakeries and restaurants combined	10.00
Banks	5.00
Barber shops, 1 chair	5.00
Each additional chair	2.00
Bath, private, 1 tub and wash basin	5.00
Bath, public, 1 tub	10.00
Each additional tub	5.00
Billiard halls	5.00

Blacksmith shop	$5.00
Boarding houses, 1 faucet	8.00
Each additional faucet	1.00
Building purposes, not less than	2.00
Laying brick, per 1,000 (mason's measurement)	.10
Laying stone, per cord (mason's measurement)	.20
Plastering, per 100 yd. (mason's measurement)	.50
Dentists	5.00
Drug stores	5.00
Fountains, season, 1/16-in. orifice	10.00
Hotels	meter
Laundries	meter
Lawns and gardens, hose for sprinkling lot 50 x 140.	3.00
Each additional lot or fraction	1.00
Lumber yards	5.00
Meat market, 1 faucet and use of hose	meter
Motors	meter
Offices and sleeping rooms	5.00
Photograph galleries	5.00
Public halls	5.00
Printing offices, not including engine	5.00
Printing offices, with engine	meter
Restaurant	5.00
Residence, 1 family, 1 faucet	5.00
Each additional family using same faucet	5.00
Each additional faucet	1.00
Saloons	10.00
Saloons, restaurant connections	15.00
Shops and factories	meter
Stables, private, for 2 head, either horses or cows	5.00
Stables, private, in connection with residence	2.00
Each additional horse or cow, washing buggy included	.25
Stables, livery, 12 horses or less, washing buggies included	meter
Stables, sale and feed	meter
Stores, for store use only	5.00
Steam engines	meter
Street sprinkling	special
Urinals, public	5.00

Urinals, private	$3.00
Water closets, private, each	3.00
Water closets, public, one	5.00
Each additional one	3.00
Water closets in banks, stores, and offices for private use	3.00

Hastings (3,983)

Municipal Plant

Source of supply, well
Pumping, gasoline engine
Number of metered consumers, 149
Number of flat rate consumers, 8

Public service—

Number of hydrants, 53
Rental charge, $25.00 per annum for each

Commercial service—

0 to 500 gal. per day, 2 cts. per 100 gal.
500 to 1,000 gal. per day, 1½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 1 1/5 cts. per 100 gal.

Hawley (800)

Municipal Plant

Source of supply, deep well
Pumping, gasoline engine
Number of flat rate consumers, 45

Public service—

Number of hydrants, 14

Commercial service—

Rates not permanently fixed

Hector (866)

Municipal Plant

Source of supply, tubular well
Pumping, gasoline engine
Number of metered consumers, 23

Public service—

Number of hydrants, 10
No charges to municipality

Commercial service—

Meter rates:

5 cts. per 100 gal.
No minimum rate
No discount

Houston (700)

Municipal Plant

Source of supply, artesian wells
Pumping, gasoline engine
No consumers using city water. Consumers are supplied by individual artesian wells

Public service—

Number of hydrants, 7
No charges to the municipality, a compressed air system used only for fire protection

Howard Lake (626)

Municipal Plant

Source of supply, Lake Howard
Pumping, electric motor
Number of flat rate consumers, 100

Public service—

24 hydrants at $7.00 each per year

Hutchinson (2,368)

Hutchinson Lighting and Manufacturing Company

Source of supply, flowing well
Pumping, steam pump
Number of metered consumers, 175

Public service—

Number of hydrants, 45
City pays 6 cts. per 1,000 gal.

Commercial service—

Meter rates:

25 cts. per 1,000 gal.
Minimum bill, $3.50 for the year
No discounts allowed

International Falls (1,487)

Municipal Distributing System

Source of supply, Rainy River
Pumping, Minnesota and Ontario Power Company, at the rate of $70.00 per 1,000,000 gal.

Public service and commercial service free

City pays for pumping, service free to all parts of the city where the mains have been extended

Jackson (1,907)

Municipal Plant

Source of supply, well
Pumping, steam
Number of metered consumers, 10
Number of flat rate consumers, 112

Public service—

Number of hydrants, 31
No charges to municipality

Commercial service—

Meter rates:

Less than 300 gal. per day., 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
500 to 1,000 gal. per day, 3½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 2½ cts. per 100 gal.
5,000 to 10,000 gal. per day, 2 cts. per 100 gal.
Special rates for all over 10,000 gal.

Flat rates:

Residences, per month	$0.50
Toilet, per month	.25
Bath, per month	.25
Sprinkling lawns, per season	5.00
Boarding houses, per year	6.00
Hotels, for each room less than 10, per year	1.50
When over 10, per year	1.00

Janesville (1,173)

Municipal Plant

Source of supply, well 300 ft. deep
Pumping, motor
Number of metered consumers, 10
Number of flat rate consumers, 107

Public service—

Number of hydrants, 18
No charges made to the municipality

Commercial service—

Meter rates:

Less than 300 gal. per day, 40 cts. per 1,000 gal.
300 to 500 gal. per day, 30 cts. per 1,000 gal.
500 to 1,000 gal. per day, 25 cts. per 1,000 gal.
1,000 to 5,000 gal. per day, 20 cts. per 1,000 gal.
5,000 to 10,000 gal. per day, 15 cts. per 1,000 gal.
All over this amount, special rates

Flat rates:	
Building purposes:	
Laying stone, per perch	$0.02
Laying brick, per 1,000	.10
Plastering, per 100 yd	.40
Bakeries, h.p. boilers extra, per year	8.00
Blacksmith shops:	
2 fires or less	5.00
Each additional fire	1.00
Hose for tire setting	3.00
Banks	6.00
Barber shops, first chair	5.00
Second chair	3.00
Each additional chair	2.00
Baths, private, first tub	3.00
Each additional	1.00
Baths, hotels and boarding houses	6.00
Baths, public, first bath	8.00
Each additional	5.00
Hotels and boarding houses:	
Each room less than 10	1.50
Each room over 10	1.00
Carriage shops, 5 persons or less	5.00
Each additional person (extra for fires)	.50
Churches, free, except for motors	
Dental offices, with motor meter rates	5.00
Doctor's offices, with motor meter rates	5.00
Dwellings, occupied by one family	6.00
Fountains, per season, not exceeding 5 months:	
1/16-in. orifice	8.00
⅛-in. orifice	15.00
3/16-in. orifice	30.00
¼-in. orifice	50.00
Gas engines where tanks are used:	
7 h.p. or less, per year	5.00
Over 7 h.p., per year	10.00
Manufacturing, h.p. boilers extra:	
10 hands or less, per year	5.00
Each additional hand to 20	.50
Each additional hand beyond 20	.25

Meat markets	$6.00
Offices and sleeping rooms:	
First room	3.00
Second room	2.00
Each additional room	1.00
Printing offices, h.p. boilers extra	6.00
Photograph galleries	5.00
Restaurants	$6.00 and upwards
Stables, private, each horse or cow	1.00
Steam engines, meter rates	
Saloons, meter rates	
Soda fountains, per season	10.00
Tumbler washers, per month	5.00
Stores for sale of goods except liquors, milk, or drugs, not over 25 ft. wide and one story high, per year	6.00
Each additional story used	1.50
Each additional 10 ft. in width	1.50
Drug stores	8.00
Urinals in private houses, stores, and offices, per year	2.00
Saloons, barber shops, hotels, and public places, per year	5.00
Vegetable fountains, per year	4.00
Water closets in private dwellings occupied by one family, per year	3.00
Each additional	1.00
In stores, banks, and offices	4.00
In barber shops, saloons, public places	6.00
Yard sprinklers, 60-ft. front or less, one building only, per season	3.00
Each additional 10 ft. or less, per season	.30

JORDAN (1,151)

Municipal Plant

Source of supply, well

Pumping, steam pump located in power house of Jordan Electric Light and Heating Company

Number of metered consumers, 4

Public service—
Number of hydrants, 12
No charges to municipality
Commercial service—
Meter rates:
$3\frac{1}{4}$ cts. per 100 gal.

KASSON (932)
Municipal Plant

Source of supply, well 320 ft. deep
Method of pumping, duplex steam pump
Number of flat rate consumers, 106

Public service—
Number of hydrants, 54

Commercial service—
Flat rates:
$4.50 per year with an addition of $3.00 for lawn sprinkling
50 cts. per year for each head of stock

KENYON (1,237)
Municipal Plant

Source of supply, well, 665 ft. deep
Pumping, steam
Number of flat rate consumers, 100
(All flat rates to be discontinued and meters installed by May 1, 1914)

Public service—
Number of hydrants, 25
No charges to municipality

Commercial service—
Meter rates:
First 4,000 gal. per half year, $2.00
4,000 to 10,000 gal. per half year, 40 cts. per 1,000 gal.
10,000 to 20,000 gal. per half year, 25 cts. per 1,000 gal.
20,000 to 30,000 gal. per half year, 20 cts. per 1,000 gal.
30,000 to any amount per half year, 15 cts. per 1,000 gal.

Lake Benton (844)

Municipal Plant

Source of supply, large well
Pumping, steam
Number of metered consumers, 45

Public service—

Number of hydrants, 21
Street sprinkling, 25 cts. per tank on wagon
No other charges to the municipality

Commercial service—

$2.00 per quarter minimum charge; 2,000 gal. allowed per quarter under minimum charge
20 cts. per 100 cu. ft. for all in excess of that amount

Lake Crystal (1,055)

Municipal Plant

Source of supply, 700-ft. well
Pumping, electricity
Number of flat rate consumers, 38

Public service—

Number of hydrants, 11
No charges to the municipality

Commercial service—

Flat rates:

Dwellings, per year	$6.00
Livery barn, per year	12.00
Garages, per year	12.00
Drug stores, per year	8.00

Lake City (3,142)

Municipal Plant

Source of supply, drive well points
Pumping, steam, reciprocating pumps

Number of metered consumers, 307
Number of flat rate consumers, under contract, 1

Public service—

61 fire hydrants, gross rental per year, $101.65
6 sprinkler hydrants, gross rental per year, $125.00
No other charges to the municipality
Water for city hall, lock-up, parks, cemetery, Minnesota National Guard camp grounds, fire service and flushing furnished free

Commercial service—

Minimum bill, 75 cts. per month
Meter rates:
First 1,000 cu. ft. used in one month, 30 cts. per 100 cu. ft.
All above 1,000 cu. ft. used in one month, 12½ cts. per 100 cu. ft.
Discount of 20% if paid on or before the 20th of the month

Lakefield (924)

Municipal Plant

Source of supply, well, 185 ft. deep
Pumping, steam
Number of metered consumers, 60

Public service—

Number of hydrants, 17
Rental charge about $140.00 per year

Commercial service—

Meter rates:

Less than 300 gal. per day, 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
500 to 1,000 gal. per day, 3½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 2½ cts. per 100 gal.
5,000 to 10,000 gal. per day, 2 cts. per 100 gal.
Over 10,000 gal. per day at special rates

Lamberton (652)

Municipal Plant

Source of supply, well
Pumping, gasoline engine
Number of metered consumers, 125
Number of flat rate consumers, 8

Public service—

Number of hydrants, 10
No charges to municipality

Commercial service—

Meter rate:

3 cts. per 100 gal.

Flat rates:

50 cts. per month without lawn sprinkling
75 cts. per month including lawn sprinkling

Lanesboro (987)

Municipal Plant

Source of supply, artesian well
Pumping, electricity
Number of flat rate consumers, 145

Public service—

21 hydrants at $5.00 each per year

Commercial service—

Flat rates:

$5.00 per annum

Le Sueur Center (741)

Municipal Plant

Source of supply, well, 383 ft. deep
Pumping, electricity
Number of metered consumers, 60

Public service—

Number of hydrants, 22
No charges to municipality

Commercial service—

Meter rates:

$1.50 per 1,000 cu. ft.
No discounts

Lindstrom (522)

Municipal Plant

Source of supply, well
Pumping, gasoline engines
Number of metered consumers, 38

Public service—

Number of hydrants, 5

Commercial service—

Minimum bill, 40 cts. per month
Meter rates, 30 cts. per 1,000 gal.

Litchfield (2,333)

Municipal Plant

Source of supply, 48 2-in. drive points
Pumping, steam
Number of metered consumers, 200

Public service—

30 hydrants at $50.00 per year
Street sprinkling, $250.00 per year
No other charges to municipality

Commercial service—

Minimum bill, $4.00

Meter rates:

First 5,000 gal., 40 cts. per 1,000 gal.
Next 5,000 gal., 35 cts. per 1,000 gal.

Next 5,000 gal., 30 cts. per 1,000 gal.
Next 5,000 gal., 25 cts. per 1,000 gal.
Next 5,000 gal., 20 cts. per 1,000 gal.
Next 25,000 gal., 15 cts. per 1,000 gal.
All over 50,000 gal., 10 cts. per 1,000 gal.
Meters read every 6 months

Litchfield (2,333)

Steam Heating Plant

Number of consumers, 40
Total radiation, 25,000 sq. ft.

All rates metered:

First 10,000 lbs., 70 cts.
Next 10,000 lbs., 60 cts.
Next 20,000 lbs., 55 cts.
Next 40,000 lbs., 50 cts.
All above this amount, 45 cts.
10% discount for cash in 10 days

Little Falls (6,078)

Little Falls Water Power Company

Source of supply, Mississippi River
Pumping, hydraulic
Number of metered consumers, 39
Number of flat rate consumers, 312

Public service—

55 hydrants at $80.00 per hydrant per year
20 hydrants at $50.00 per hydrant per year
No other charges to the municipality for street sprinkling, etc.

Commercial service—

Minimum bill, $1.00 per month

Meter rates:

First 10,000, 30 cts. per 1,000
Next 10,000, 25 cts. per 1,000
Next 10,000, 20 cts. per 1,000

Next 10,000, 15 cts. per 1,000
Next 10,000, 10 cts. per 1,000
All over 50,000, 5 cts. per 1,000

Flat rates:

Bakery, each oven	$10.00 to $50.00
Barber shop, first chair	7.00
Barber shop, each additional chair	3.00
Bath, private, first tub	6.00
Each additional tub	3.00
Baths, public, hotel and boarding or tenement house, first tub	10.00
Each additional tub	6.00
Beer, per barrel, brewed	.05
Billiard saloon, each table	3.00
Boarding house, each occupied room	2.00
Boarding house, no license less than	18.00
Brick works, per 1,000 manufactured	.10
Brick yard, each gang of hands	20.00
Confectionery manufactory	$10.00 to 75.00
Cow	2.50
Fish market	$10.00 to 25.00
Forge or smith shop, first fire	5.00
Each additional fire	3.00
Fountains to run not more than 4 hours daily on pleasant days, ½-in.	$15.00 to 50.00
Horse and carriage	3.00
Work horse	2.00
Horse livery or sale stable	$15.00 to 50.00
Hotel, less than 50 occupied rooms, per room	2.00
More than 50 occupied rooms	meter rates
Hotel, no license less than	25.00
Ice cream saloon	$10.00 to 40.00
Laundry	18.00 to 200.00
Meat market	10.00 to 25.00
Office	7.00 to 25.00
Oyster saloon without bar	10.00 to 25.00
Photograph gallery	10.00 to 25.00
Residence occupied by 1 family, 4 rooms or less	6.00
Each additional occupied room	1.00

Additional family in same house using same fixtures, one-half above regular rates	
Restaurant	$20.00 to 50.00
Saloon	20.00 to 50.00
Schools, per scholar	.05
Shop or factory, 5 hands or less	10.00
Each additional hand	.50
Sprinkling private garden or lawn with hose, per sq. yd.	.03
Sprinkling street half way across, hose, per front ft.	.10
Sprinkling by public carts, no license less than	5.00
Steam engine, 5 h.p. or less	30.00
Each additional h.p.	5.00
Store	$5.00 to 30.00
Tenement, per occupied room	2.00
Tenement, no license less than	15.00
Urinal, with self-closing stop	5.00
Without self-closing stop	50.00
Wash basin, stationary, with waste pipe, private	2.00
Wash basin, public, hotel, boarding or tenement house	5.00
Wash basin, without self-closing stop	50.00
Water closet with pan, private, first pan	4.00
Each additional pan	3.00
Water closet, public, hotel, boarding or tenement house, first pan	10.00
Each additional pan	5.00

Long Prairie (1,250)

Municipal Plant

Source of supply, 8-in. well, 180 ft. deep
Pumping, steam
Number of metered consumers, 67
Number of flat rate consumers, 25

Public service—

Number of hydrants, 22
No charges to municipality

Commercial service—

Meter rates:

25 cts. per 1,000 gal.

Flat rates:

$3.50 per year per tap

Luverne (2,540)

Municipal Plant

Source of supply, wells adjacent to rivers
Pumping, steam
Number of metered consumers, 450

Public service—

Number of hydrants, 50
No charges to the municipality

Commercial service—

Meter rates:

The following shall constitute the schedule of water rates to be charged and collected under this ordinance, to-wit:

300 cu. ft. or less, $1.25
600 cu. ft. or less, $1.50
1,500 cu. ft. or less, $1.50
All over 600 cu. ft., 10 cts. per 100 cu. ft.
1,500 to 10,000 cu. ft., 8 cts. per 100 cu. ft.
10,000 to 20,000 cu. ft., 7 cts. per 100 cu. ft.
All over 20,000 cu. ft., 6 cts. per 100 cu. ft.

Flat rates:

Water, per barrel	$0.05
Water, per tank	.25

No other flat rates quoted

Lyle (544)

Municipal Plant

Source of supply, deep well
Pumping, gasoline engine

Number of metered consumers, 10
Number of flat rate consumers, 11

Public service—

11 hydrants, yearly rental, $150.00
No other charges to municipality

Commercial service—

Meter rates:

30 cts. per 1,000 gal.

Flat rates:

One tap, per year	$5.00
Two taps, per year	7.50

McIntosh (634)

Municipal Plant

Source of supply, well
Pumping, gasoline engine
This system just completed and no rates fixed for consumers

Public service—

Number of hydrants, 6

Madelia (1,273)

Municipal Plant

Source of supply, wells
Pumping, two steam pumps
Number of metered consumers, 140

Public service—

Number of hydrants, 34

Commercial service—

Minimum bill, $1.00 per quarter

Meter rate:

4 cts. per 100 gal.

No discounts

MADISON (1,811)

Municipal Plant

Source of supply, well
Pumping, 10-h.p. electric motor
Number of metered consumers, 50

Public service—

Number of hydrants, 40
No charges to the municipality

Commercial service—

Meter rate:

30 cts. per 1,000 gal.
(This plant just completed and system of rates not fully established)

MAHNOMEN (796)

Municipal Plant

Source of supply, 5-in. 60-ft. well
Pumping, steam
Number of flat rate consumers, 5

Public service—

Number of hydrants, 3
No charges to the municipality

Commercial service—

Water rate, $8.00

MANKATO (10,365)

Municipal Plant

Source of supply, four artesian wells
Pumping, steam
Number of metered consumers, 1,484

Public service—

Number of hydrants, 190
No charges to the municipality

Commercial service—

Minimum bill, 50 cts. per month

10% penalty for bill not paid within 10 days after becoming due

Meter rates:

555 cu. ft. or less, 50 cts. per month

1,333 cu. ft. or less per month, 90 cts. per 1,000 cu. ft.

For all water used in excess of 1,333 cu. ft. and less than 13,333 cu. ft. per month, 75 cts. per 1,000 cu. ft.

For all water used in excess of 13,333 cu. ft. and less than 50,000 cu. ft. per month, 60 cts. per 1,000 cu. ft.

For all water used in excess of 50,000 cu. ft. per month, 45 cts. per 1,000 cu. ft.

Mapleton (809)

Municipal Plant

Source of supply, well

Pumping, gasoline engine

Number of metered consumers, 75

Number of flat rate consumers, 15

Public service—

Number of hydrants, 16

Commercial service—

Meter rates:

5,000 to 25,000 gal., 30 cts. per 1,000 gal.

All over 25,000 gal., 15 cts. per 1,000 gal.

Flat rate:

$3.00 per year for those using less than 10,000 gal.

Marble (887)

Municipal Plant

Source of supply, mining drift, 211 ft. deep, belonging to Oliver Iron Mining Company

Pumping, steam to 100,000-gal. tank

Number of metered consumers, 25
Number of flat rate consumers, 100

Public service—

City pays Oliver Iron Mining Company 10 cts. per 1,000 gal. for water delivered to the municipal mains and charges consumers at rates given below

Commercial service—

Minimum bill, 50 cts.

Meter rates:

30 cts. per 1,000 gal. for first 5,000 gal.
25 cts. per 1,000 gal. for second 5,000 gal.
20 cts. per 1,000 gal. for all over 10,000 gal.

Flat rates:

Flat rates, 50 cts., small hydrants being placed in alleys for consumers' convenience

No discount on bills

Marshall (2,152)

Municipal Plant

Source of supply, artesian well
Pumping, steam pumps
Number of metered consumers, 175

Public service—

41 hydrants at $70.00 each per year
Street sprinkling, per year, $400.00

Commercial service—

Meter rates:

20 cts. per 100 cu. ft.
15 cts. per 100 cu. ft. in restaurants, hotels, feed and livery stables

Minimum charge, 50 cts. per month

Melrose (2,591)

Municipal Plant

Source of supply, Sauk River
Pumping, steam and electricity
Number of metered consumers, 20
Number of flat rate consumers, 180

Public service—

Number of hydrants, 25
No rental charge
Street sprinkling, per year, $50.00
No other charges to municipality

Commercial service—

Meter rates:

15 cts. per 100 cu. ft. less than 500 gal. per day
12½ cts. per 100 cu. ft., between 500 and 1,000 gal. per day
9 cts. per 100 cu. ft., 1,000 gal. or over used per day

Flat rates:

Lawn, 50-ft. lot	$3.00
Each additional lot	2.00
Residence, sink, per year	5.00
Closet, per year	2.00
Bath, per year	2.00
Office and stores, wash bowl, per year	2.50
Livery barn, for each horse kept, per year	2.00
Photograph galleries, per year	5.00
Stable, 1 cow or horse, per year	1.00
Pop factory, per year	10.00
Hotel, per year	65.00
Pipe organ, water motor, per year	60.00
Granite Co., polishers and engine, per year	75.00

Milaca (1,102)

Municipal Plant

Source of supply, 70-ft. well and Rum River
Number of metered consumers, 20

Public service—

Number of hydrants, 6
No charges to municipality

Commercial service—

Meter rates:

For first 1,333 cu. ft., 22½ cts. per 100 cu. ft.
For next 3,333 cu. ft., 18¾ cts. per 100 cu. ft., or $9.25 for 4,666 cu. ft.
For next 3,333 cu. ft., 15 cts. per 100 cu. ft., or $14.25 for 7,999 cu. ft.
For next 3,333 cu. ft., 11¼ cts. per 100 cu. ft., or $18.00 for 11,333 cu. ft.
For next 3,333 cu. ft., 7½ cts. per 100 cu ft., or $20.50 for 14,665 cu. ft.
For next 3,333 cu. ft., 6¾ cts. per 100 cu. ft., or $22.55 for 18,000 cu. ft.
Rates computed quarterly on the 1st of January, April, July, and October

Minneapolis (301,408)

Municipal Plant

Pumping, steam and electricity
Source of supply, Mississippi River
Number of metered consumers, 43,000
Number of flat rate consumers, 5,200

Public service—

Number of hydrants, 5,188
No charge for hydrant rental, sprinkling, or fire protection
4 cts. per 1,000 gal. for public buildings, parks, schools, etc.

Commercial service—

Meter rates:

8 cts. per 1,000 gal.
Minimum rate, $4.00 per year

Flat rates:

30 cts. per room
Minimum charge, $2.00 per year
All other connections metered

Minneota (819)

Municipal Plant

Source of supply, well
Pumping, gasoline engine
Number of metered consumers, 15
Number of flat rate consumers, 60

Public service—

35 hydrants at $4.00 per year per hydrant

Commercial service—

Meter rates:

45 cts. per 1,800 gal.

Flat rates:

Faucet	$5.40
Closet	3.00
Bath	2.00
Sprinkling lawn	5.00
Livery barn	25.00
Saloon	21.00
Hotel	21.00
Restaurant	12.00
Garage	12.00
Dwellings without meters	5.00
Banks	5.00
General stores	5.00

Montevideo (3,056)

Municipal Plant

Source of supply, springs, gravity to reservoir, pumped from reservoir to 100,000-gal. tank on 90-ft. tower
Pumping, electricity and gasoline engine
Number of metered consumers, 400

Public service—

Number of hydrants, 92
No charges to municipality; assessment of $300.00 for sprinkling on frontage on First Street

Commercial service—

Minimum bill, $5.00 per year, not including meter rent
Meter rent, per month, 15 cts.
Less than 5,000 cu. ft. per month, 15 cts. per 100 cu. ft.
Less than 10,000 cu. ft. per month, 12½ cts. per 100 cu. ft.
Over 10,000 cu. ft. per month, 10 cts. per 100 cu. ft.

Montgomery (1,267)

Municipal Plant

Source of supply, well, 232 ft. deep
Method of pumping, 12-h.p. gasoline engine
Number of metered consumers, 60

Public service—

Number of hydrants, 21

Commercial service—

Meter rates:

0 to 300 gal. per day, 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
500 to 1,000 gal. per day, 3½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 2½ cts. per 100 gal.
5,000 to 10,000 gal. per day, 2 cts. per 100 gal.

Moorhead (4,840)

Municipal Plant

Pumping:

River: Gravity flow to pump pit and direct pressure
Wells: One Heitweiler pump, 105 gal. per minute
One centrifugal booster, 105 gal. per minute
One Downie pump, 165 gal. per minute

Source of supply, 1913, Red River; 1914, 2 10-in. artesian wells
Number of metered consumers, 468

Public service—

Number of hydrants, 134
Rental charge, per hydrant, per year, $25.00
City hall, fire station, city jail, and watering trough, per year, $300.00

Commercial service—

First 1,200 cu. ft., 40 cts. per 100 cu. ft.
Next 800 cu. ft., 30 cts. per 100 cu. ft.
Next 2,000 cu. ft., 20 cts. per 100 cu. ft.
Next 11,000 cu. ft., 15 cts. per 100 cu. ft.
Next 5,000 cu. ft., 7 cts. per 100 cu. ft.
Next 20,000 cu. ft., 5 cts. per 100 cu. ft.

Morgan (553)

Municipal Plant

Source of supply, deep well
Pumping, 15-h.p. gasoline engine

Public service—

Number of hydrants, 20

Commercial service—

Plant just completed at the date of this report and rates to consumers not yet fixed

Morris (1,685)

Municipal Plant

Source of supply, wells
Pumping, electricity and gasoline
Number of metered consumers, 500

Public service—

47 hydrants at $10.00 each per year
No other charges to the municipality

Commercial service—

Flat rates:

Residences, 1 family, 1 faucet	$7.50
Each additional family using same faucet	7.50
Each additional faucet	2.00
Stables, private, including 3 head either horses or cattle	7.50
Stables in connection with residence, per head for all stock	1.00

All other service than that mentioned in the above schedule to be metered

Minimum bill, $2.00 per 6 months paid in advance

Meter rates:

For the first 3,000 gal. consumed, $2.00 for 3,000 gal.

For an additional 5,000 gal. or fraction at 50 cts. per 1,000 gal., $4.50 for 8,000 gal.

For an additional 5,000 gal. or fraction at 45 cts. per 1,000 gal., $6.75 for 13,000 gal.

For an additional 25,000 gal. or fraction at 35 cts. per 1,000 gal., $15.50 for 38,000 gal.

For an additional 25,000 gal. or fraction at 25 cts. per 1,000 gal., $21.75 for 63,000 gal.

All water consumed in each 6 months over 63,000 gal. to be charged for at the rate of 12 cts. per 1,000 gal.

Meters furnished by the consumers

Mountain Iron (1,343)

Municipal Plant

Source of supply, well

Pumping, steam

No private consumers

Number of hydrants, 18

Mountain Lake (1,081)

Municipal Plant

Pumping, gasoline engine

Number of flat rate consumers, 127

Public service—

Number of hydrants, 23

Commercial service—

50 cts. per month, collected 3 months in advance

Nashwauk (2,080)

Municipal Plant

Source of supply, deep wells
Pumping, steam
Number of flat rate consumers, 200

Public service—

Number of hydrants, 25 at $5.00 per year each
No other charges to village

Commercial service—

Flat rates:

One faucet, per month	$0.50
Bath tub, per month	.40
Urinal, per month	.50
Toilet, per month	.50

Livery barns, barber shops, saloons, etc., governed according to fixtures, etc.
No discount on water bill

New Richland (685)

Municipal Plant

Source of supply, deep well with 120-ft. tower
Pumping, electric motor
Number of metered consumers, 4
Number of flat rate consumers, 74

Public service—

Number of hydrants, 18
No charges to municipality

Commercial service—

Meter rate:

25 cts. per 1,000 gal.

Flat rates:

For family use, per year	$5.00
For hotels, per year	10.00
For livery barns, per year	15.00

New Ulm (5,648)

Municipal Plant

Source of supply, deep wells
Pumping, steam
Number of metered consumers, 670

Public service—

Number of hydrants, 103
Charge for street sprinkling, $2,126.00

Commercial service—

Meter rates:

First 3,000 gal., 4 cts. per 100 gal.
Next 4,000 gal., 3½ cts. per 100 gal.
Next 5,000 gal., 3 cts. per 100 gal.
Next 6,000 gal., 2½ cts. per 100 gal.
Next 8,000 gal., 2 cts. per 100 gal.
Next 12,000 gal., 1 ct. per 100 gal.
No discounts

Northfield (3,265)

Municipal Plant

Public service—

Number of hydrants, 90
Charge to municipality, $30.00 a year for each hydrant
An allowance of $300.00 is also made for fountains in parks and for other public uses

Commercial service—

Meter rates:

First 1,000 cu. ft. or less, minimum charge per quarter, $1.50
Next 2,000 cu. ft. at 13 cts. per 100 cu. ft.
Next 7,000 cu. ft. at 8 cts. per 100 cu. ft.
All additional cu. ft. at 5½ cts. per 100 cu. ft.

North St. Paul (1,404)

Municipal Plant

Source of supply, deep well and lake

Pumping, steam
Number of metered consumers, 10

Public service—

Number of hydrants, 27

Commercial service—

Meter rates:

10,000 gal., 25 cts. per 1,000 gal.
30,000 gal., 20 cts. per 1,000 gal.
Above 30,000 gal., 15 cts. per 1,000 gal.

Ortonville (1,774)

Municipal Plant

Source of supply, well on lake shore
Pumping, electric pump with capacity of 150 gal. per minute and a steam-driven pump in reserve with a capacity of 400 gal. per minute
Number of metered consumers, 167

Public service—

22 hydrants at $60.00 each per year
Fire protection:
First hour, $1.00, and 50 cts. each following hour
No other charges to municipality

Commercial service—

Meter rates:

500 cu. ft. and less than 1,000 cu. ft. per quarter, 35 cts. per 100 cu. ft.
1,000 cu. ft. and less than 2,000 cu. ft. per quarter, 30 cts. per 100 cu. ft.
2,000 cu. ft. and less than 3,000 cu. ft. per quarter, 25 cts. per 100 cu. ft.
3,000 cu. ft. and less than 5,000 cu. ft. per quarter, 20 cts. per 100 cu. ft.
5,000 cu. ft. and less than 10,000 cu. ft. per quarter, 15 cts. per 100 cu. ft.
10,000 cu. ft. and less than 20,000 cu. ft. per quarter, 12 cts. per 100 cu. ft.

20,000 cu. ft. and less than 50,000 cu. ft. per quarter, 10 cts. per 100 cu. ft.
Above 50,000 cu. ft. a special rate will be given
Meter rent, 25 cts. per month
Minimum, $8.00 per year

Osakis (1,013)

Municipal Plant

Source of supply, Lake Osakis
Pumping, steam
Number of metered consumers, 21

Public service—

12 hydrants at $40.00 per year each
No other charges to the municipality

Commercial service—

Meter rates:

First 300 gal. per day, 30 cts. per 1,000
Next 700 gal. per day, 25 cts. per 1,000
Next 5,000 gal. per day, 20 cts. per 1,000
No minimum charge
Bills payable quarterly
Note: Osakis Milling Company attends to reading meters and collecting bills, receiving therefor one half the amount collected

Owatonna (5,658)

Municipal Plant

Source of supply, deep flowing wells
Pumping: One 12 and 25 x 9 x 18 Laidlaw-Dunn-Gordon Gross compound high-duty pumping engine, capacity 1,500,000 gal. per day of 24 hours
Number of metered consumers, 76
Number of flat rate consumers, 950

Public service—

106 hydrants at $50.00 per hydrant per year

Street sprinkling, per year, $450.00; this is charged at regular meter rates

Commercial service—

Meter rates:

5,000 gal. or less, 30 cts. per 1,000
Next 5,000 gal., 25 cts. per 1,000
Next 25,000 gal., 20 cts. per 1,000
Next 25,000 gal., 10 cts. per 1,000
Next 25,000 gal., 9 cts. per 1,000
Balance, 8 cts. per 1,000

Flat rates:

Domestic use	$5.00
Closet	4.00
Motor lift	3.00
Motor washing machines	4.00
Bath	3.00
Stock	1.00
Lawn	3.00

Park Rapids (1,801)

Municipal Plant

Source of supply, river

Pumping, electric power furnished to city at a flat rate of $3.45 per day

Number of flat rate consumers, 171

Number of metered consumers, 1

Public service—

Number of hydrants, 23

No charges to the municipality for services of any kind

Commercial service—

Meter rate: Special

Flat rates:

Banks, per year	$3.00
Bakeries, per year	5.00
Barber shops	5.00
Bath tubs, each	5.00

Blacksmith shops	$3.00
Boarding houses	5.00
Churches	free
Hotels	special
Halls	3.00
Laundries	special
Meat markets	special
Offices	2.00
Plastering, per 100 yd	.25
Photograph galleries	3.00
Residences, including bath, closets, etc	6.50
Livery stable	10.00
Hotel stable	5.00
Lawn, garden, etc., without residence	3.00
Brick yard, per 1,000	.04

Paynesville (901)

Municipal Plant

Source of supply, wells
Pumping, steam pump
Number of metered consumers, 50

Public service—

Number of hydrants, 17
$18.00 per hydrant per year

Commercial service—

Meter rates:
First 1,000 gal., 60 cts. per 1,000 gal.
Next 4,000 gal., 40 cts. per 1,000 gal.
Above 5,000 gal., 25 cts. per 1,000 gal.

Pelican Rapids (1,019)

Municipal Plant

Source of supply, river
Pumping, electricity

No water mains in town; water pumped from the river to an elevated tank; steam fire engine with several hundred feet of hose used for fire protection; water for sprinkling taken from elevated tank; no charges to the municipality

PERHAM (1,376)

Municipal Plant

Source of supply, well

Public service—

10 hydrants at $40.00 each per year

Commercial service—

40,000 gal. per day furnished N. P. R. R. at $40.00 per month

PINE CITY (1,258)

Municipal Plant

Source of supply, deep well
Pumping, electric-driven pump
Number of flat rate consumers, 25

Public service—

Number of hydrants, 28

Commercial service—

Meter rates:
First 1,000 gal., 75 cts.
Second 1,000 gal., 60 cts.
Third 1,000 gal. and all over, 50 cts.

PINE ISLAND (834)

Municipal Plant

Pumping, 2 triplex pumps, one operated by gas engine and one by steam
Source of supply, one 12-in. well and one 8-in. well
Number of flat rate consumers, 69

Public service—

Number of hydrants, 19

Commercial rates not given

PLAINVIEW (1,175)

Municipal Plant

Source of supply, well, 100 ft. deep
Pumping, gasoline engines
Number of metered consumers, 72
Number of flat rate consumers, 250

Public service—

Number of hydrants, 32
Rental charge, $5.00 for each hydrant per year

Commercial service—

Meter rates:

3 cts. per 100 gal., with a minimum of $5.00 a year

Flat rates:

$8.00 for modern house
Cattle and horses, $1.00 per head

PRESTON (1,193)

Municipal Plant

Source of supply, spring
Pumping, steam to reservoir, 220 ft. high
Number of flat rate consumers, 225

Public service—

33 hydrants at $25.00 each per year
No other charges to municipality

Commercial service—

Flat rates:

Residence, per year	$5.00
Closets	3.00
Bath	2.00
Stock, per head	1.00

PRINCETON (1,555)

Municipal Plant

Source of supply, deep well

Pumping, Rumsey triplex pump
Number of metered consumers, 125

Public service—

15 hydrants at a total yearly rental of $525.00
Street sprinkling, per year, $150.00
No other charges to the municipality

Commercial service—

Minimum bill, $6.00 per year

Meter rates:

First 1,000 gal., 30 cts. per 1,000 gal.
Second 1,000 gal., 25 cts. per 1,000 gal.
Balance, 20 cts. per 1,000 gal.

PROCTORKNOTT (2,243)

Proctor Water and Light Company

Source of supply, Lake Superior
Pumping, electricity, reservoir in West Duluth

Commercial service—

Minimum bill, 50 cts. per month

Meter rates:

First 8,000 cu. ft., 17½ cts. per 100 cu. ft.
Next 8,000 cu. ft., 10 cts. per 100 cu. ft.
Next 60,000 cu. ft., 7½ cts. per 100 cu. ft.
Next 100,000 cu. ft., 5½ cts. per 100 cu. ft.
Over 100,000 cu. ft., 2½ cts. per 100 cu. ft.

RED WING (9,048)

Municipal Plant

Source of supply, artesian well
Pumping, electrically driven centrifugal pump
Number of metered consumers, 947

Public service—

152 hydrants, each, per year, $40.00
Water for public buildings, 8 cts. per 100 cu. ft.
No other charges to municipality

Commercial service—

Meter rates:

First 2,000 cu. ft. per month, 20 cts. per 100 cu. ft.
Over 2,000 cu. ft. per month, 8 cts. per 100 cu. ft.
Minimum charge per month, 20 cts.
Meter rent per month, 20 cts.
No discounts

Redwood Falls (1,666)

Municipal Plant

Source of supply, springs, river used in case of fire
Number of metered consumers, 238
Number of flat rate consumers, 15

Public service—

Number of hydrants, 53
No charges to the municipality

Commercial service—

Meter rates:

Minimum bill, 75 cts.
Less than 3,600 cu. ft. consumed in 6 months, 3 mills per cu. ft., not to exceed $8.10
Over 3,600 cu. ft. and less than 5,000 cu. ft., 2¼ mills per cu. ft., not to exceed $9.50
Over 5,000 cu. ft. and less than 10,000 cu. ft., 1.9 mills per cu. ft., not to exceed $15.00
Over 10,000 cu. ft. and less than 15,000 cu. ft., 1½ mills per cu. ft., not to exceed $18.75
Over 15,000 cu. ft. and less than 20,000 cu. ft., 1¼ mills per cu. ft., not to exceed $22.50
Over 20,000 cu. ft. and less than 25,000 cu. ft., 1⅛ mills per cu. ft., not to exceed $25.00
Over 25,000 cu. ft., 1 mill per cu. ft.
Rates based on a period of 3 months

RENVILLE (1,182)

Municipal Plant

Pumping, steam pump
Source of supply, well
Number of metered consumers, 71

Public service—

Number of hydrants, 24
No charges made to city for fire protection, street sprinkling, etc.

Commercial service—

Meter rates:

0 to 300 gal. per day, 5 cts. per 100 gal.
300 to 500 gal. per day, 4 cts. per 100 gal.
500 to 1,000 gal. per day, 3½ cts. per 100 gal.
1,000 to 5,000 gal. per day, 2½ cts. per 100 gal.
No flat rates or discounts

ROCHESTER (7,844)

Rochester Water Company

Source of supply, wells
Pumping, steam
Number of metered consumers, 1,100
Number of flat rate consumers, 350

Public service—

192 hydrants at $32.50 each per year
Street sprinkling, 10 cts. per 1,000 gal.

ROSEAU (644)

Municipal Plant

Pumping, 350-gal. triplex pump from well with 12-inch gravity flow intake pipe. (Steam, with gasoline reserve to be used in event of low steam, at time of fire)
Source of supply, Roseau River
Number of flat rate consumers, 2
No metered consumers

Public service—

Number of hydrants, 5
No rates established

Commercial service—

$1.00 per month for 1 consumer
$10.00 per month for court house

Plant placed in operation December 6, 1913

Rushford (1,011)

Municipal Plant

Source of supply, flowing well
Pumping, steam
Number of metered consumers, 70
No flat rate consumers

Public service—

Number of hydrants, 23
Street sprinkling charge based on frontage
Average rate, 25 cts. per week

Commercial service—

Meter rent, per year, 80 cts.
Water rate, per 1,000 gal., 20 cts.

St. Charles (1,159)

Municipal Plant

Source of supply, well, 300 ft., with reservoir, 75 ft. above city
Number of metered consumers, 164
Number of flat rate consumers, 73

Public service—

Number of hydrants, 40
No charge made to municipality

Commercial service—

Meter rates:

$4.00 per year for first 12,000 gal.; 20 cts. per 1,000 for additional amount

Flat rates:

Residence, per year	$5.00
Sprinkling, extra	4.00
Each horse or cow extra	1.00
Bath and toilet	3.00
Barber shops, one chair	5.00
Additional chairs, each	2.00
Bath	2.00
Toilet	3.00
Livery barns	15.00
Washing machines	2.00

St. Cloud (10,600)

Municipal Plant

Source of supply, Mississippi River
Pumping, electrical centrifugal pumps
Number of metered consumers, 900
Number of flat rate consumers, 100

Public service—

Number of hydrants, 188
Street sprinkling, $917.00 per year
Fire protection, $5,600.00 per year
No other charges to municipality

Commercial service—

Meter rates:

First 4,000 cu. ft., 20 cts. per 100 cu. ft.
Next 8,500 cu. ft., 16 2/3 cts. per 100 cu. ft.
Next 60,000 cu. ft., 14 2/7 cts. per 100 cu. ft.
Next 100,000 cu. ft., 12 1/2 cts. per 100 cu. ft.
Over 172,500 cu. ft., 8 1/3 cts. per 100 cu. ft.

Flat rates are being replaced by meters as rapidly as possible

St. Paul (214,744)

Municipal Plant

Source of supply, natural lakes: Rice Lake, Centerville Lake, Vadnais Lake, Phalen Lake

Pumping, steam; three low-lift pumping stations; three pumping stations on distributing system

Number of metered consumers, 27,500

Number of flat rate consumers, 7,500

Public service—

Number of hydrants, 3,372

Rental of city hydrants, per hydrant, per year, $14.00

Charges to public buildings, schools, parks, and playgrounds at regular meter rate, 6 cts. per 100 cu. ft.

Water for street sprinkling, free

Commercial service—

Meter rates:

6 cts. per 100 cu. ft.

Size of Meters	Minimum Rates	Size of Meters	Minimum Rates
$\frac{5}{8}$-in.	$0.30	3-in.	$4.50
$\frac{3}{4}$-in.	.35	4-in.	8.00
1 -in.	.50	6-in.	18.00
$1\frac{1}{4}$-in.	.80	8-in.	32.00
$1\frac{1}{2}$-in.	1.10	10-in.	50.00
2 -in.	2.00	12-in.	72.00

Flat rates:

Private hydrants, per month	$2.50
Private dwellings, each family occupying 4 rooms or less, per year	3.00
Each family, occupying 5 rooms, per year	3.50
Each family, per additional room, per year	.30
Tenements, 3 or more families, per family, per year.	3.00
Boarding and furnished room houses, for each boarder, or furnished room for rent, in excess of two (in addition to private dwelling rate), per year	.50
Water closets and urinals, each, per year	3.00
Baths, each, per year	2.00

Note—Combination stationary wash tubs, having a movable division in the center, or capable of use for bathing; shower baths not installed over bath tubs, and sitz baths shall be charged the same as bath tubs

Horse, cattle, etc., per head, per year	$2.00
The following rates will be charged for water used for building purposes:	
Bricklaying (mason's measurement), per 1,000	.05
Concrete, per cu. yd	.02¼
Masonry (mason's measurement), per perch	.01½
Plastering (plasterer's measurement), per 100 sq. yd.	.20
Tile sidewalks, concrete walks, etc., per 100 sq. yd.	.20
No permit will be issued for less than	1.00

St. Peter (4,176)

Municipal Plant

Source of supply, 2 artesian wells, 8-in., 330 and 592 ft. deep
Pumping, steam
Number of metered consumers, 260
Number of flat rate consumers, 1

Public service—

46 hydrants at $45.00 each per year
Street sprinkling and water fountain, $1,200.00 per year

Commercial service—

Minimum bill, $1.00 per quarter
1 to 20,000 gal. per quarter, 3 cts. per 100 gal.
20,000 to 50,000 gal. per quarter, 2 cts. per 100 gal.
50,000 and up gal. per quarter, 1½ cts. per 100 gal.
Payments to be made monthly, 10% discount if paid on or before the 15th of the following month

Sandstone (1,818)

Private Plant (Kettle River Company)

Source of supply, spring well

Pumping, electric pump
Number of flat rate consumers, 240
No metered consumers

Public service—

29 hydrants at $40.00 each per year
No other charges for street sprinkling or fire protection

Commercial service—

Flat rates:

Residences, $1.00 per month, including sprinkling
Boarding houses, livery barns, saloons, $2.00 per month

Sauk Center (2,154)

Municipal Plant

Source of supply, Sauk Lake
Pumping, water pump, steam pump, and electric pump, direct pressure
Number of metered consumers, 1
Number of flat rate consumers, 250

Public service—

Number of hydrants, 45
No charges made to the municipality

Commercial service—

Meter rates:

The Great Northern Railroad Station is on a meter basis, paying 8 cts. per 1,000 gal.

Flat rates:

Family, 4 rooms or less	$5.00
Each additional family using the same fixtures	3.00
Horse and carriage, private	2.00
Work horse	1.00
Livery stable	$10.00 to 50.00
Watering grounds with hose, one lot	5.00
Each additional lot	3.00
Restaurant	$5.00 to 20.00
Saloon	$15.00 to 40.00
Bath, private, one tub	3.00

Bath, public, one tub	$8.00
Each additional tub	3.00
Barber shop, one chair	5.00
Each additional chair	2.00
Closet	3.00
Family, house and grounds	$10.00 to 30.00

Sauk Rapids (1,745)

Municipal Plant

Source of supply, well
Pumping, electric
Number of metered consumers, 46
Number of flat rate consumers, 54

Public service—

Number of hydrants, 20
No charge to municipality

Commercial service—

Meter rates:

30 cts. per 1,000 gal.
All consumers to be on meter basis ofter May 1

Shakopee (2,302)

Municipal Plant

Number of metered consumers, 48

Public service—

Number of hydrants, 35

Commercial service—

Meter rates:

Minimum bill per quarter, including meter rental of 20 cts., is $1.50
First 20,000 gal. or less per quarter, 3 cts. per 100 gal.
For each 100 gal. above 20,000 up to 50,000 gal., 2 cts. per 100 gal.
In excess of 50,000 gal., 1½ cts. per 100 gal.

Sherburn (814)

Municipal Plant

Source of supply, reservoir and tank
Pumping, gas engine
Number of metered consumers, 35
Number of flat rate consumers, 15

Public service—

Number of hydrants, 31

Commercial rates—

Meter rate:

35 cts. per 1,000 gal.

Flat rate:

Minimum charge, $6.00 per year

Sleepy Eye (2,247)

Municipal Plant

Source of supply, two wells
Pumping, one steam and one electric pump
Number of metered consumers, 87
No flat rate consumers

Public service—

Number of hydrants, 27
City is charged $315.75 per month for street lights, street sprinkling, and fire protection

Commercial service—

Minimum bill, 40 cts. per month
Meter rates:

40 cts. per 1,000 gal.

South St. Paul (4,510)

Municipal Plant

Pumping, steam pump operated by Swift & Company
Source of supply, artesian well, owned by Swift & Company
Number of metered consumers, 496

No flat rate consumers

Public service—

Number of hydrants, 83
No rental for hydrants
Street sprinkling, 15 cts. per 1,000 gal.
No charge for fire protection

Commercial service—

Meter rates:

First 10,000 gal., 30 cts. per 1,000 gal.
10,000 to 50,000 gal., 25 cts. per 1,000 gal.
50,000 to 100,000 gal., 22 cts. per 1,000 gal.
100,000 gal. or more, 20 cts. per 1,000 gal.

Springfield (1,482)

Municipal Plant

Source of supply, three springs
Number of metered consumers, 100
No flat rate consumers

Public service—

Number of hydrants, 45
No charges to municipality

Commercial service—

Meter rates:

3 cts. per 100 gal.
Minimum bill, 75 cts. per quarter

Spring Valley (1,817)

Municipal Plant

Source of supply, natural spring
Pumping, gasoline engine
Number of metered consumers, 170
Number of flat rate consumers, 5

Public service—

Number of hydrants, 33

Commercial service—

Meter rates:

Meter rent, 50 cts. per quarter
For the first 2,000 gal. or less, a charge of $1.00 is made
Next 2,000 gal., 30 cts. per 1,000 gal.
Next 10,000 gal., 20 cts. per 1,000 gal.
All over 14,000 gal., 15 cts. per 1,000 gal.

Staples (2,558)

Municipal Plant

Source of supply, well

Method of pumping, from well to reservoir by electric motor driven pump and from reservoir to elevated tank by steam pump

Number of metered consumers, 114

Public service—

Number of hydrants, 30
Rental charge, $40.00 for each hydrant per year

Commercial service—

Meter rates:

Rate is $3.00 per 1,000 cu. ft. with discounts applied as follows:

Number Cu. Ft.	Discount	Amount	Addition per 100 Cu. Ft.
1,000 cu. ft.	0	$3.00	
2,000 cu. ft. ($ 6.00) ...	4%	5.76	27.6 cts.
3,000 cu. ft. (9.00) ...	6%	8.46	27.0 cts.
4,000 cu. ft. (12.00) ...	8%	11.04	25.8 cts.
5,000 cu. ft. (15.00) ...	10%	13.50	24.6 cts.
6,000 cu. ft. (18.00) ...	12%	15.84	23.4 cts.
7,000 cu. ft. (21.00) ...	14%	18.06	22.2 cts.
8,000 cu. ft. (24.00) ...	16%	20.16	21.0 cts.
9,000 cu. ft. (27.00) ...	18%	22.14	19.8 cts.
10,000 cu. ft. (30.00) ...	20%	24.00	18.6 cts.
11,000 cu. ft. (33.00) ...	22%	25.74	17.4 cts.
12,000 cu. ft. (36.00) ...	24%	27.36	16.2 cts.
13,000 cu. ft. (39.00) ...	26%	28.86	15.0 cts.

Number Cu. Ft.	Discount	Amount	Addition per 100 Cu. Ft.
14,000 cu. ft. ($42.00)...	28%	$30.34	13.8 cts.
15,000 cu. ft. (45.00)...	30%	31.50	12.6 cts.
16,000 cu. ft. (48.00)...	32%	32.64	11.4 cts.
17,000 cu. ft. (51.00)...	34%	33.66	10.2 cts.
18,000 cu. ft. (54.00)...	36%	34.56	9.0 cts.
19,000 cu. ft. (57.00)...	38%	35.34	7.8 cts.
20,000 cu. ft. (60.00)...	40%	36.00	6.6 cts.

For each 100 cu. ft. used above 20,000, add 15 cts. to $36.00; meters read the 15th of every third month and bills paid on or before the 1st of the month following reading are discounted 5% if above $1.00

Stillwater (10,198)

Municipal Plant

Source of supply, lake; gravity system for lower system, pump to stand pipe from springs for residence district

Pumping, steam

Number of flat rate consumers, 1,000

No metered consumers

Public service—

135 hydrants, gross rental per year, $9,540.00

Street sprinkling by private means

Total rental charge to city for fire protection hydrants, etc., $2,500.00

Commercial service—

Flat rates:

6-room house, per year	$7.00
For each additional room	.60
Closet, extra per year	4.00
Bath, extra per year	3.00
Saloons and hotels	$4.00 to 6.00
Sprinkling for 50-ft. front	2.00
Additional 50 ft.	1.00
Corners, extra	1.00

Rates subject to discount of 20%

Thief River Falls (3,714)

Municipal Plant

Source of supply, Red Lake River
Pumping, electrically driven triplex pump
Number of metered consumers, 200
No flat rate consumers

Public service—

50 hydrants at $60.00 each per year
No other charges to the municipality

Commercial service—

Meter rates:

10,000 gal. or less per month, 5 cts. per 100 gal.
10,000 to 20,000 gal. per month, 4 cts. per 100 gal.
20,000 to 40,000 gal. per month, 3 cts. per 100 gal.
Over 40,000 gal. per month, 2 cts. per 100 gal.
No discounts

Tracy (1,876)

Municipal Plant

Source of supply, well
Pumping, electric motor
Number of flat rate consumers, 400
No metered consumers

Public service—

34 hydrants at $50.00 each per year
No other charges to municipality

Commercial service—

Flat rates:

Dwellings, per month	$0.75
Water closets, private, per month	.25
Water closets, public, per month	1.99
Drug stores, saloons, confectionery stores, per month	1.00
Hotels, per month	5.00
Cement plant, per year	100.00
Creamery, per year	75.00
Pop factory, per year	50.00
Livery, per year	60.00

Two Harbors (4,990)

Municipal Plant

Source of supply, Lake Superior
Pumping, steam
Number of metered consumers, 1
Number of flat rate consumers, 1,125

Public service—

Number of hydrants, 42
No charges to municipality for service

Commercial service—

Flat rates:

Private residence, one family, no special fixtures, per year	$8.00
Private water closet	2.00
Public water closet	5.00
Private bath tub	2.00
Public bath tub	10.00
Each additional tub	6.00
Offices, no special fixtures	5.00
Dry goods stores, drug stores, grocery stores, and markets	10.00
General stores	15.00
Saloons, no special fixtures	15.00
Shoe, harness and tailor shops, jewelry and hardware stores	5.00
Barber shops, first chair	5.00
Each additional chair	3.00
Horses, each	2.00
Cows, each	1.00
Hotels, boarding houses, livery stables, laundries, public buildings, and all large consumers	special rates

Virginia (10,473)

Municipal Plant

Source of supply, driven wells
Pumping, steam

Number of metered consumers, 1,800
Number of flat rate consumers, 75

Public service—

109 hydrants at average rate of $100 each per year
No other charges to municipality

Commercial service—

Meter rates:

First 10,000 cu. ft., 20 cts.
Next 10,000 cu. ft., 18 cts.
Next 20,000 cu. ft., 15 cts.
Next 30,000 cu. ft., 12 cts.
Next 30,000 cu. ft., 10 cts.
All over 100,000 cu. ft., 8 cts.

Consumer pays for water meter, same to be standard and satisfactory to Commission

Flat rates:

Stores:

	Per Year
Minimum, per 25 cu. ft.	$6.00
Toilet, first	4.00
Each additional	2.00
Bath, first	3.00
Each additional	1.50
Wash basins	2.00
Cellar syphon	2.00
Steam heat, per 25 cu. ft.	1.00
Butcher shop, extra	5.00
Candy kitchen	saloon rate
Bakery and manufacturing rated on application	
Printing, same as store	
Photograph gallery, same as store	
Concrete, per cu. yd.	.03
Laying brick, per 1,000	.10

Residence:

Minimum	6.00
Toilet	4.00
Each additional	2.00

Bath	$2.00
Each additional	1.00
Sink	1.00
Each additional	.50
Lavatory	1.00
Each additional	.50
Garage, one car	5.00
Each additional car	2.50
Horse	2.00
Cow	2.00
Cellar syphon	2.00
Sprinkling, first 25 ft., $2.00, additional up to 50 ft. $3.00 (4 hrs.) for each 25 ft. additional to 50 ft.	2.00
Additional roomers, each	1.00
Additional boarders, each	1.00
Saloons:	
Minimum	15.00
Toilet, first	6.00
Each additional	4.00
Urinal, open	6.00
Each additional	4.00
Urinal, automatic	4.00
Beer pump	6.00
Cellar pump	2.00
Lavatory	2.00
Each additional	1.00
Steam heat, per year	1.00
Hotels:	
Minimum	15.00
Toilet	6.00
Each additional	4.00
Toilet, individual room	2.00
Bath, individual room	2.00
Lavatory, individual room	1.00
Bath, public	6.00
Each additional	4.00
Urinal, public, open	6.00
Each additional	4.00
Urinal, public, automatic	4.00
Each additional	2.00

Steam heat, per year	$2.00
Rooms, per year	1.00
Barber shops:	
First chair	8.00
Each additional	4.00
Baths	6.00
Each additional	5.00
Wash basin	3.00
Each additional	2.00
Toilet	4.00
Each additional	2.00
Offices:	
Per room	2.00
Additional fixtures, public rate	
Billiard halls, same as saloon rate	
Churches, same as residence rate	
Hospitals, same as boarding houses	
Dentist, first chair	10.00
Each additional	4.00
Tenement house, toilet, first family	4.00
Each additional family using same toilet	3.00
Plastering, per sq. yd	.10
Steam engines, per h.p. per year	2.00
Hydraulic vacuum pump on application	

Wadena (1,820)

Municipal Plant

Source of supply, well
Number of metered consumers, 150
No flat rate consumers

Public service—

25 hydrants at $35.00 each per year
No other charges to municipality

Commercial service—

10 cts. per 100 cu. ft.
40 cts. minimum

Walker (917)

Municipal Plant

Source of supply, Leech Lake
Pumping, duplex steam pump, 10 x 7 x 12
Number of flat rate consumers, 70
No metered consumers

Public service—

16 hydrants at $10.00 each per year
No other charges to municipality

Commercial service—

Meter rates:

Less than 300 gal. daily, 40 cts. per 1,000 gal.
300 to 500 gal. daily, 35 cts. per 1,000 gal.
500 to 1,000 gal. daily, 30 cts. per 1,000 gal.
Over 1,000 gal. daily, 25 cts. per 1,000 gal.
All meter rates shall be payable monthly and no meter rate shall be less than $5.00 per year
Meters furnished by the consumer

Flat rates:

Bakeries, not exceeding 2 barrels per day	$8.00
Bakeries and restaurants combined	10.00
Banks	5.00
Barber shops, one chair	5.00
Each additional chair	2.00
Bath, private, 1 tub and wash basin	5.00
Bath, public, 1 tub	10.00
Each additional tub	5.00
Billiard halls	5.00
Blacksmith shops, 1 fire	5.00
Each additional fire	1.00
Hose for setting tires	2.00
Boarding house, one faucet	10.00
Each additional faucet	1.00
Building purposes, not less than	2.00
Laying brick, per 1,000 (mason's measurement)	.10
Laying stone, per cord (mason's measurement)	.20
Plastering, per 100 sq. yd. (mason's measurement)	.50
Dentists	5.00

Drug store	$8.00
Fountains, season, 1/16-in. orifice	10.00
Hotels, not exceeding 30 rooms	24.00
Exceeding 30 rooms	32.00
Laundries	12.00
Lawns and gardens, season, hose for sprinkling lot 50 x 140	4.00
Each additional lot or fraction	1.00
Lumber yards	5.00
Meat markets, 1 faucet and use of hose	8.00
Motors	meter
Offices and sleeping rooms	5.00
Photograph galleries	8.00
Public halls	5.00
Printing offices, not including engine	5.00
With engine	meter
Restaurants	8.00
Residence, one family, 5 rooms	7.00
Each additional room	1.00
Each additional family	7.00
Saloons	20.00
Saloons, restaurant connection	28.00
Shop and factories	meter
Stables, private, for 2 head, either horses or cows	5.00
Stables, private, in connection with residence	2.00
Each additional horse or cow, washing buggy included	.25
Stables, livery, 12 horses or fewer, washing buggies included	meter 2.00
Stables, sale and feed	meter
Steam heat, per month, while used	3.00
Stores, for store use only	5.00
Steam engines	meter
Street sprinkling	2.00
Urinals, public	5.00
Urinals, private	3.00
Water closets, private, each	3.00
Water closets, public, first one	5.00
Each additional one	3.00

Water closets in banks, stores, and offices, for private use $3.00

Warren (1,650)

Municipal Plant

Source of supply, deep well
Pumping, steam
Number of metered consumers, 204
Number of flat rate consumers, 70

Public service—

Number of hydrants, 27
No charge to the municipality

Commercial service—

Minimum bill per quarter, $1.25

Meter rates:

1 to 30,000 gal. per quarter, 40 cts. per 1,000 gal.
30,001 to 40,000 gal. per quarter, 35 cts. per 1,000 gal.
45,001 to 90,000 gal. per quarter, 30 cts. per 1,000 gal.
90,001 and over gal. per quarter, 25 cts. per 1,000 gal.
No discounts

Welcome (543)

Municipal Plant

Source of supply, 8-in. tubular well
Pumping, gasoline engine

Public service—

5 hydrants, gross rental, per year, $164.00

Wells (1,755)

Municipal Plant

Source of supply, well
Pumping, electricity from well to cistern; from cistern to elevated tank and direct pressure by steam

Number of metered consumers, 165
Number of flat rate consumers, 20

Public service—

27 hydrants at $25.00 each per year
2 fountains, $300.00 each per year
No other charges to the municipality

Commercial service—

Minimum bill, $5.00 per year
Consumer furnishes the meter

Meter rates:

33 cts. per 1,000 gal.
22 cts. per 1,000 gal. if 1,000 gal. per day used
10% discount if paid before the 10th of month

Flat rate:

For outside hydrants, $7.00 per year

West Concord (584)

Municipal Plant

Source of supply, well
Pumping, gasoline engine direct from well
No private consumers

Public service—

Number of hydrants, 18

West Minneapolis (3,022)

Municipal Plant

Source of supply, well owned by Minneapolis Threshing Machine Company
Pumping, steam pump, owned by Minneapolis Threshing Machine Company; this company charges the village 15 cts. per 1,000 gal. pumped into the village tank
Number of metered consumers, 90

Public service—

Number of hydrants, 34
Rate, 15 cts. per 1,000 gal.

Commercial service—

Meter rates:

15 cts. per 1,000 gal.

Wheaton (1,300)

Municipal Plant

Source of supply, tubular wells
Pumping, gasoline engine
Number of metered consumers, 100
No flat rate consumers

Public service—

Number of hydrants, 30
No charges to the municipality

Commercial service—

Meter rates:

First 1,000 cu. ft. per month, $6.00 per 1,000
Next 1,000 cu. ft. per month, $4.00 per 1,000
Balance, $3.00 per 1,000

White Bear (1,505)

Municipal Plant

Source of supply, two deep wells
Pumping, electric motors
Number of metered consumers, 197
No flat rate consumers

Public service—

Number of hydrants, 40
No charges to municipality

Commercial service—

Minimum bill where meter is installed, 25 cts. per month for each meter

Meter rates:

Less than 3,000 cu. ft. per month, 20 cts. per 100 cu. ft.
3,000 to 16,000 cu. ft. per month, 15 cts. per 100 cu. ft.
Over 16,000 cu. ft. per month, 12 cts. per 100 cu. ft.
No discounts

Willmar (4,135)

Municipal Plant

Source of supply, wells
Pumping, steam and electricity
Number of metered consumers, 490
No flat rate consumers

Public service—

45 hydrants at $35.00 each per period of 3 months
Street sprinkling, $250.00 per year
No other charges to municipality

Commercial service—

Minimum bill, $3.00 per year
Meter rates:

Less than 500 cu. ft. per month, 35 cts. per 100 cu. ft.
500 to 1,000 cu. ft. per month, 30 cts. per 100 cu. ft.
1,000 to 1,500 cu. ft. per month, 25 cts. per 100 cu. ft.
1,500 to 2,000 cu. ft. per month, 20 cts. per 100 cu. ft.
2,000 to 5,000 cu. ft. per month, 15 cts. per 100 cu. ft.
5,000 to 20,000 cu. ft. per month, 10 cts. per 100 cu. ft.
In excess of 20,000 cu. ft. per month, 6 cts. per 100 cu. ft.
All water bills must be paid on or before the 20th of each month, otherwise a penalty of 10% is added

Winnebago (1,554)

Municipal Plant

Source of supply, deep well
Pumping, air compressor
Number of metered consumers, 230
Number of flat rate consumers, 25

Public service—

26 hydrants at $20.00 each per year
Street sprinkling, $200.00 per year
No other charges to the municipality

Commercial service—

Minimum bill, $4.00 per year
Meter rates, 30 cts. per 1,000 gal.

Flat rates—

For a 5-room house, per year	$5.00
For each additional room, per year	.25
For each water lift, per year	3.00
For water-power washing, per year	4.00
For sprinkling 50- or 60-ft. lot, per year	3.00
For each horse or cow, per year	1.00

All consumers are to be placed on meter basis

WINONA (18,583)

Municipal Plant

Pumping, three steam pumping engines; capacity, 6,000,000, 3,000,000, and 2,500,000 gal.

Source of supply, dug and artesian wells

Number of metered consumers, 1,780

Number of flat rate consumers, 1,000

Public service—

Number of hydrants, 380

No charges for hydrant rental, fire protection, etc., to the city

Commercial service—

Meter rates:

5,000 gal. per month or less, 20 cts. per 1,000 gal.
5,000 to 10,000 gal. per month, 15 cts. per 1,000 gal.
10,000 to 15,000 gal. per month, 10 cts. per 1,000 gal.
15,000 to 150,000 gal. per month, 8 cts. per 1,000 gal.
Over 150,000 gal. per month, 6 cts. per 1,000 gal.

Churches, charitable and educational institutions, one-half above rate

Minimum rates:

For $\frac{5}{8}$-in. meter, one faucet, per month	$0.25
For $\frac{5}{8}$-in. meter, two or more faucets, per month	.50
For $\frac{3}{4}$-in. meter, per month	.75
For 1-in. meter, per month	1.25
For $1\frac{1}{2}$-in. meter, per month	2.25
For 2-in. meter, per month	3.25

Flat rates:

Barber shops, one chair, per year	$3.00

Each additional chair, per year	$2.00
Baths, public, one tub, per year	8.00
Each additional tub, per year	4.00
Private dwelling, each tub, per year	3.00
Blacksmith shops, one fire, per year	2.00
Each additional fire, per year	1.00
Boarding houses, one faucet, per year	6.00
Each additional faucet, per year	1.00
Dwellings, private, one faucet, per year	3.00
Each additional faucet, per year	.50
Offices, one faucet, per year	3.00
Slop sinks, each, per year	1.50
Stables, each horse or cow, per year	1.00
Urinals, each, per year	3.00
Water closets, private dwellings, store, and office, per year	3.00
Boarding houses, per year	4.00
Saloons, barber shops, hotels, and other public places, each stool, per year	5.00
Sprinkling, from May 1 to Oct. 31, lawns, gardens, and streets, with hose nozzle opening not exceeding ¼ in. in diameter; for lots not exceeding 9,000 sq. ft	5.00
For each additional 1,000 sq. ft. or fraction thereof	.50
Sprinkling sidewalks and store fronts, for 25 ft. or less	3.00
Each additional front foot	.10
Soda fountains, each	5.00
Fountains for sprinkling vegetables, each, per month	1.00
Rates for building purposes:	
For laying stone, per cord	.10
Laying brick, per 1,000	.10
Plastering, per 100 sq. yd	.15
Concrete, per cu. yd	.05
And the said rates shall be due and payable upon the completion of the work in each case	
Flushing trenches:	
For trenches for gas mains, gas service pipe, water service pipe, and sewer pipe, per 100 lineal ft. or fraction thereof	.25

Where meters are installed to supply a sprinkler system, extra fire protection, or for any other purpose where a regular supply of water is not used, the following rental shall be collected, and all water used shall be charged for at regular meter rates; and consumers belonging to this class shall have the privilege of purchasing meters for such use from the board:

Rental for 3-in. meter, per month	$1.35
Rental for 4-in. meter, per month	2.00
Rental for 6-in. meter, per month	4.00
Rental for 8-in. meter, per month	6.50
Rental for 10-in. meter, per month	8.00

WORTHINGTON (2,385)

Municipal Plant

Source of supply, artesian well
Pumping, steam
Number of metered consumers, 35
Number of flat rate consumers, 300

Public service—
32 hydrants at $30.00 per year per hydrant
Street sprinkling, 2½ cts. per 100 gal.
No other charges to municipality

Commercial service—
Meter rates:
3,000 gal. per month or less, 4½ cts. per 100 gal.
3,000 to 5,000 gal. per month, 4 cts. per 100 gal.
5,000 gal. and over, 3½ cts. per 100 gal.
Minimum meter rate per month, $1.40

Flat rates:

Each private dwelling occupied by one family, per year	$8.00
Baths, private houses, per year	4.00
Each additional bath	1.00
Baths in hospitals	6.00
Baths, public	8.00
Each additional	5.00

Water closets in private dwellings, one family	$5.00
Each additional	1.00
Water closets in stores, banks, and offices	6.00
Water closets in barber shops, saloons, and other public places	8.00
Urinals in barber shops and other public places	6.00
Stores	8.00
Meat markets	$12.00 and upward
Vegetable fountains, per season	5.00
Soda fountains, per season	$18.00 and upward
Laundries, per month	$3.50 and upward
Photograph galleries, per year	8.00
Dental offices	8.00
Restaurants and lunch counters	12.00
Churches, regular rates except for motors	
Motors and water lifts	4.00
Lawn sprinkling	3.00
Live stock	1.50

Zumbrota (1,138)

Municipal Plant

Source of supply, well and reservoir
Pumping, electric power
Number of flat rate consumers, 75

Public service—

Number of hydrants, 33
Street sprinkling by city at 12½ cts. per front ft.

Commercial service—

Flat rates:

Private use, residence, per year	$5.00
Office tap	5.00
Lawn hydrant	5.00
Saloons	10.00
Restaurants	10.00
Livery barns	25.00
Auto garage	25.00

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